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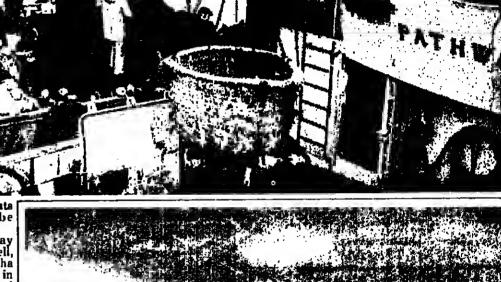
Est. 1913

tion the Scottish herring skippers asked thomselves last week after the closedown of the wost coast grounds. The upshot was that six purse seiners sought their fortune in the North Sea with some success. By the end of the week, they had brought back 316 tons of mackerel and sprats, 237 units of herring and 1,610 boxes of coley. And two of the vessels lost big catches of mackerel when their nets burst.

The pursers involved were: tuns of mackerel, 43 tons of Chris Andra, Challenge and sprats and 217 units of good Conquest, all owned by the quality herring. She had lost Init family of Fragorburgh, another hand of mackerel nat the Petorhend vassels when her net burst. Vigilant, Pathway and Lunar Skipper Willie Tnit in Bow, owned by the Buchan Challenge brought hame 168

Skipper Alec Buchan of three haule, while Conquest, Pathway tald Fishing News Lishing under Skipper Harry that the boats had fished on Reid, raught 34 tone. Skipper the grounds known as "the John Buchan with Lunor Brite there. More Farcese boats ENE of Petorheod, and just to the south of the Borgen mackerel cotch when her net the south of the Borgen to the

tons of mackerel taken in



Bank. He said thay had been larst but she then shot her needs to be of Size 5 twine.

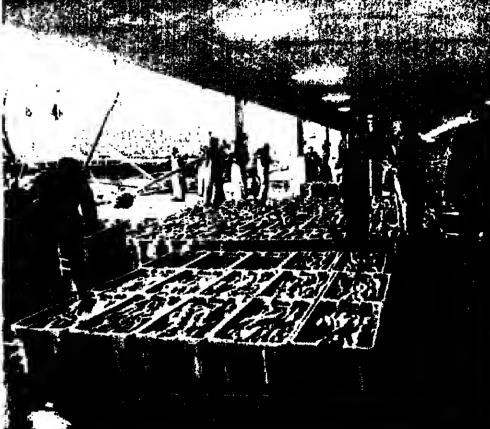
Pathway landad har catch in Peterhead last week while needs to be of Size 5 twine.

Pathway landad har catch in Peterhead last week while the other fiva put into Frsserburgh.

Chris Andra, fishing under

Skipper Andrew Tait, had that Shatlands and that a Farceae most varied catch with 25

Mackerel cotch when her her her that hers look then should her her her larst but she then shot her her should her and caught sail to these graunds no well, but they sail to they sail to these graunds no well, but they sail to these graunds no in the said they sail to these graunds no in the said they sail to Bank. He said thay had been burst but she then shot her He said the six pursers may



A DEPARTMENT of Trade inquiry into the loss of 20-yaar-old William Potts of Hartlapool, an assistant cook on the Grimsby freezer Invincible. has heard how he became so obsessed with the sea he thought the devil was calling him,

accounts from Mr. Potts' suparintandent of the shipmatea about his unusual Dapartmant of Trade et behaviour just befora he went Grimsby, commended missing, his strange ideas membars of the crew for connacted with tha sea and trying to help Mr. Potts. Waltar Mitty fantasies.

talling frienda tha apirits dorseo would look after him. Ha also romanced about other mattera connected with tha sea, including the subject of becoming e daapsea diver;

Norway

dlaappearad he was seen gazing at the sea and, later, foaming ot the mouth and ehaking. A shipmate alerted the mate, but he could not loava his watch immediately. When he did visit Mr. Potts he appeared normal

When he did visit Mr. Potts he appaared normal.

Later, when he went to tell Mr. Potts to do consider the said that the trawler had been off Icaland's northeast coest when the accident occurred as the crew was stowing the gear.

He added: "All the skipper could say was that the

The inquiry heard various George Pattigrew, senior

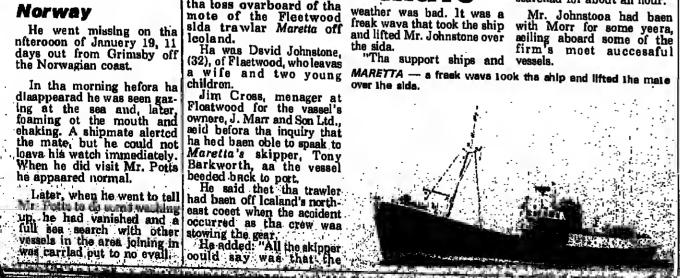


work he was actually seeking Dapartment of Trada Inshortly hefore his death.

mate

area vary quickly and searchad for about an hour." weather was bad. It was a Mr. Johnstooa had baen

mote of the Fleetwood freak wava that took the ship and lifted Mr. Johnstone over a specific and lifted Mr. Johnstone over a specific and specific a firm's most auccesaful



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Further particulars from and offers, it williams; Advocates, 6 Union Row, Adequates, 10 Union Row, 10 Union

most varied catch with 25 boat hed caught 300 tona GRIMSBY fishing lib. One of these times we are pect it to carry on when times

vessel owners must find another £107,000 a year from the begin-ning of April to meet a £6-a-week pay rise to the port's 280-strong EAST COAST-DIVERS & be draws. Telephone: 3720 - for de dor water work. the port's 280-strong

lumper force. policy, was agreed when the TGWU who represent fish pariers at Grinisby.

Last year the lumpera lm-

Tha award, in line with the Government's Stago Onc pay

press home their wage cleim, Since February, six trawlors have been at this time the settlement scrapped and one sold, coped the bresker by being

THE BUT fleet at Hull is looking decimated.

lus liean resched by discussion.

With fishormen poised to slap in their claim and dock due a 111 25 per cent from March I, tha owners ere far from happy es thay strugglo to make ands meet.

Latt week one owner told fairly on much longer dipping our hands into our pockets ad

Exampled and one sold. coped the bresker by being sold awoy.

It is understood that BUT is considering the acrapping sold awoy.

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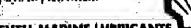
Shell marine oils are as much a part of the sea as these kits.

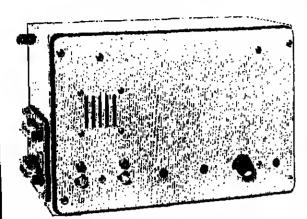
Britain's top trowlermen rely on Shell to help them bring home a consistently line earth. And note in port, they look to Shell again for the on-the-spot servicing today's

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A CRAB dressing contect, organised by the WFA to find a north Yorksbire THE START of the discound e recolution

handiing and processing.

George Mitcheil, NE erea officer for the WFA, eeid; "The purpose of the eeminar ie to try end improve the eele of crehs."

quite eo eager for action have precisely the enme ditions which were bedly righte off icoland."

he mpering flehling in Grimehy where there ere etrong Danieh connections there ere etrong Danieh merk, fishing shiefe heve was welcomed.

find a north Yorksbire champion, is being beld at Whitby today (March 26). during a seminer on creb champion, is being beld at Whitby today (March 26). during a seminer on creb champion, is being beld at Conference last weok Council of Scandinavian roceived the next to a conference countries branding Brillian News; "The START of the discounted by the Volume Nieleen, who were all sentences of the conference of the countries of t during a seminer on creb queilty.

Merks will he awarded for percentage meat yield and the appeal of dreesed creb dishee.

In New York marked tountries ordinate the improsentation the most peaceful week tain ne the aggreeser.

Lnuritz Toornace, we were all equivalent to Doop Sen Fisherice empli minority when sent confrontation.

Aesociation, commented:

Mr Nielsen blue to aggreeser.

Communities ordinates the improsentation of the Doop Sen Fisherice empli minority when sent confrontation.

Dr Eric Edwerds, of the Fieheries Laboratory, Burnham-on-Crouch, will epeak on the Importence of quality and grading in selection of crabs for the market and discuss their market and discuss their handling and processing.

Sent Controltation Aesociation, commented: "it is quite romarkable tho icolandic appeal to the Conncil le based on the week confirmed iceiendle in icoland to the connections in selection of crabs for the market and discuss their quite eo eager for nction in stormy weather conhave precisely the enmediance of the control of the connection in the control of the connection is colored by the connection of the connection of the connection is colored by the connection of the

fleat being essembled by

Newington Trewlers of Hull. Tha 76ft. steel multi-purpose

vessel, completed et the

Richard Dunston yard, will be beced at North Shields. A clatar-chip, BURTON Pidses,

THE LARGE show eprets off the sorie Yorkehlre coest and Tyne are beginning ehow eigns of deep deeplte some unen mld-Merch from Landings at Grade

week fell to next bet Iclena Gertsen, Allah cnny Gertsen and the liave already ebut spratting and reverted white fish travling at

What shoals there wi in the ares are ir. numpied up by vesself: virinity. Several hoats are p

their resources and Sa fling to make the most of the longest sprat scusous for years.

Aunthor way of my these mini-shoals is \$1 trawling. The pair lean. (Skipper Melvin Cal) Martin Norman (Skip) ('nx), which have been SHETLAND Fishurmen have been warned that the

PURSERS

From Page One
fair they should he asked to stop fishing in those areas where the foreign boats ore allowed to continue.
Andrew 'Tait, ekipper of Chris Andra, egreed that

allowed to continue.

Andrew 'Tait, ekipper of Chris Andra, egreed that olthough generally ell the herring mon support the closure, but they feel there should be a bigger quota for the North Sea. He also drew attention to the number of Farcesse boets working out there without much sign of restrictions.

Voe terminal after the wintur Sydney, New South is Sydney, Ne

Protection 10

THERE is e great need missioner had the is considering buying a for iegislation to provide from low water make the does, the premises will be

This was steted by Lord Cameron, chairman of the Highlands and islanda Development Board's consultative council at a mesting protection again

He went on to say that they people.

when sho has an much mure to

Britain is out on

THE NEWS that all pert of the international help its fishing industry Canada is to give £23m. In aid over the next year to its fishing industry year to its fishing industry when sho has so much mure to when sho has so much mure to the next when sho has so much dustry has angered trawler owners in Britain who are limping along without support.

When sho has an much in lose," said Mr. Laing. her fishing fleet; Canada, like Amorica, is huilding hers up; while Britain's (which forms) while Britain's (which forms)

With Norway elso putting a major part of the EEC fleet)
160n. in aid into its fishing is still in a state of drastic fleet, the British industry is decline."

"int on u limb".

Mr. Leing pointed out thet "out on u limb".

"The Canadian decision is depressing news," said charters Leing, director to quarterly review and it was general of the British temporary ossistance that the Canadian side was regarded as temporary and subject to quarterly review and it was general of the British temporary ossistance that the

'rowlsre' Federation, in Holl Scottish trawling industry in particular, threotened with last week. "It underlines the growing imminent collapse, had been weakness of the British, and seeking from the British by implication, the Europeon Government.

fishing industry."

"If n nation like Cansda,
Mr. Laing added: "Fishing, rich in other natural
like other forms of trading resources and with a strong
and resource prenogement, is economy, deems it prudent to "If a nation like Canada



A FISHERMAN drowned in the North See last week despite en harole bid hy hie ekipper to seva

Skipper John Grent (47)

Was within a few feet of hauling William Johnson (36) to safety after he was knocked overboard tha Eyemouth-based Star of Bethlehem.

When the heat returned to the skipper John Grent (47)

"Juhn Cooke wes pushed into the power block and sustained a shoulder injury.

"I threw off my jacket, grabbed hold of a rope and dived overboard. I grabbed him and got him back about

When the bost raturned to Eyemouth, Skipper Grent told of the drame 21 miles off the Berwickshire coest in which another fisherman was freezing cold and 1 lost grip".

Ha said: "I was in the ON MONDAY the French wheelhouse and the crew were trawler Noutilus sank in inuling in a laden net. They heavy seas in the Bay of were working with the cod Biscay. Four French travlers and when it swung and a hellcopter are searching knucked William over the for the missing four-man

FISHERMEN at Helmsdela, Buthorland, got little setisfection from William Ross, Secretary of State for Scotland, when he visited the town lest weekend.

Skippers protested to Mr. Rose about imports of foreign fish

Roes: "If something is not done about foreign imports and the unnoellation of the fishing subsidy, there could be resi trouble eheed for inshora fishermen."

But all Mr. Ross said was that they should take their case to tha EEC's Commissioner on Agriculture and Fisheries, who has Aviemore this weekend.

GALES HAMPER

MILFORD Heven which sold for £1,548, while trawlers imped beck to Bryher had 90 kits for a grossport leet week efter trips ing of £2,736. ruined by covere gelee. Between them the vessels But there wee one excopdocks, 40 of cod, 35 of

Roseveor (Skipper Alsx whitings, 30 of roker, three of Simpson), which has been one turbot and brill, 10 of pleice of the port's most consistent and five of solos roker catchere, changed her There was even less for Pic losi wask efter 26 years as working pettern to cope with ton Sealion (Skipper Travor therming Industry Soard port of floer for Stornoway. For a port's highest grossing to port after only six days thonks, not to roker, but to with 22 kits which sold for

the RASC and leter returned to

nomber of years he worked in Stornowey kippering for Doncen Macivier Ltd. Doring the wer he served for five years in the RASC and loter returned to

Stornowey to work in the local Herrie Twoed Industry until he loined the Herring industry in the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the local landing of plaica in a long resulted in n poor start to the landing resulted in n poor start to the landing resulted in n poor start to the landing resulted in n

ing presented with a wellet of [Skipper C. Watt) and cardd well depoind on the notes by members of the indostry in Lawis, in approposition The Swansea-owned Brening it wider exclusive zone for

omber of years he worked in

of hie long cervice.

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does, the premises will be fermers.

laased beck to the firm, whose name hes been witheld until a decisioo is reached.

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The move would be in

keeping with the islands' should have the right to excouncil policy of using oil revenue find money — cash paid by the oil industry in compensation for the disturbance their developments are causing — to aid Shetland in dustry:

He went on to say that they people.

'You are clude others from their areas, a lot of n in the interests of their trada fish fermion the legal title to to fish fermions.

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He want on to say that they people.

depredations of

crow.

and the fishing subsidy ending.

Skipper isn innee of the local seiner Girl Kathisan told M

been invited to attand the annual meeting of the acottish NFU st

cosst fishing row.
This was revesled by

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FISHERMEN'S MISSION £13,261—'TOP' TRIP FLEETWOOD trawiers returning from the Iceiand cod war zone last week all made thumping great losses

really stark contrast to hod an excellent haddock of cold and tall of coley, which Ward and Son With the record-breaking catch. The vessel landed a solid for £1,271.

**The small wooden trawler weather, she landed only to the stern trawier Jacinta which worked off which sold for £8,204.

**The small wooden trawler weather, she landed only to the landed only t

section. The 109ft. London the outstanding catches. She previous trip unde a record oncouraging quantities.

Town (Skipper Jack Kelly) Isnded 282 kits, including 110 grassing for her owners, J. N.

Sun of the late Skipper lack Phillips MBE, he went

Which sold for £8,204..

The top Iceland ship was Milson (Skipper Frod Milson (Skipper Frod Thompson) which made sanges a £13,261 grossing from 745 kits. Boston Explorer heeded in to gross £12,889 and Wyre Gleaner, £11,653.

It was not all gloom, however, in the near water section. The 109ft. London the outstanding catches. She including catches and 65 of coley. The vessel worked the west of Scotland area.

Which sold for £8,204..

Not far bohind was Andrew Charlet from the Nurth Channel area. The vessel limited 82 kits, including 17 of hake, 14 of cud, 10 of whitings and 17 of roker, which sold for £2,801.

Which sold for £8,204..

The result consistency with n cutch from the Nurth Channel area. The vessel limited that the vessel worked the west of Scotland area. There were different for the pocket stern trawler Resound (Skipper require, lowever, that into the cutch from the Nurth Channel area. The vessel limited that the cutch from the Nurth Channel area. The vessel which sold for £2,801.

There were different for the pocket stern trawler Resound (Skipper reports, lowever, that into the number of the vessel which and for £2,801.

There were different for the pocket stern trawler Resound (Skipper reports, lowever, that into the cutch from the Nurth from the Nu

There has been conider rather than outstanding after an lilneas of somo mand for cod. The pr level at between stor from £17 to £25 a kit. That

vests to run his own fish business but returned o few BIG MAID

SKIPPER Jack Mawer, after a long illnees.

pany's top skippers by the sign.
mid-1930s, being given At Dunkirk Skipper
charge of some early 'foot- Mewer again distinguished

Notts County es new end,

Jack Mawer OBVIDARY

outside manager to Consolidated Fisheries Ltd. which had surrendered to a
of Grimsby from 1947 to Lockheed Hudson patrol
voungest skippers.

In think Miss, he well figure shows that price be
to see on leaving achool and
the port's
of Grimsby from 1947 to Lockheed Hudson patrol
voungest skippers. solldatred Fisherles Ltd. which had surremented to the surremental voungest skippers.

of Grimsby from 1947 to Lockheed Hudson patrol voungest skippers.

up to more than £30 ski 1968, has died aged 69 pisne after an aerisl depth He come schore for some of the spent very nearly all his south Iceland.

He spent very nearly all his working life with Consolidated, going into the industry in the 1920s and graduelly working his way to the top.

His first command was Corbineer in 1931 and he mode such rapid progresa that he was generally scepted as one of the company's top skippers by the sign.

He spent very nearly all his working his working life with Consolidated, going into the industry in the 1920s and search the Germans would acuttle their vessel, but mainly for Norrard Trawlers. His finality has long-the Bojen, shared the mainly for Norrard Trawlers. His finality has long-truncis Bojen, shared the from 1,477 kits after all the mode such rapid progresa the most successful akippers in the local industry.

BIG MAIDIA GRIMSBY'S newest pictured of few years ago and has since command to search the sign.

Working life with Consolidated, going into the industry it was feared the Germans would acuttle their vessel, but mainly for Norrard Trawlers. His finality has long-the Bojen, shared the from 1,477 kits after all the from 1,477 kits after all the mode such rapid progress as HMS Graph, the most successful akippers in the local industry.

Sociented as one of the company's top skippers by the sign.

himself meking the cross ond Derby County. Channel trip six times in the ln 1938 he took the old cld Lowestoft drifter Lord Howe to rescue over 1,500

He leaves a wife and the consumer's taste for fish grows more sele-

Perhaps the bost example of this common torost between the catching and the short based industries is contained in the coverage at give this week to a pliot scheme being set up Stornoway, aimed at gotting a vast new find resource accepted as a product for the tables of Britain. Since the peak days of it horring, blue whiting is probably the biggst fish stock adjacent to our coast yet known.

proceeding on two ievels: one almed al et tablishing an industrial fishery end the other! the production of filiets.

While the setting up of an industrial fisher, would give much needed stability to osichist operations, it is to the success of the filled the success of the success of the filled the success of the machinery that fishermen will be looking it fish for the meal plant at intervention prices in the way to make the success of the intervention prices in the way to make the success of the intervention prices in the in no way to make a good living. The big price the fillet, and the vast frezen food man could open up.

fishing news

Scottish Correspondent: Gloria Witson Fred Pursett Managing Director:

W. A. Cathles

Nonwich City until he took up Later, when in the IN THIS weck's issue of Fishing News we his shore appointment. Mediterraneen, he eneaked However, he still did the odd relief trip end was lest at eea with Arsenol in 1959.

Skipper Mawer will probably best be remembered for his destroyer, despite heavy guntary and his destroyer and his destroyer and his destroyer.

for his daring exploits when he served as a call perlieutenant in 'Herry Tete's'
Nevy (Royel Naval Petrol
Service) during the last war.
In today's highly-competitive food market the consumer's taste for fish grows more selective, and the interest of the catcher becomes more ontwined than ever with those who del with it once it is caught. Our aim in Fish Handling volved with the capture of the Milford Haven aged 48

The experimental work on blue whiling

Harry Barrett Assistant Editor: Ian Strutt

Advertisement Director:

PATROL BOAT Big Peterhead boats CUTS 'LEGAL'

At Peterhead last week three large vessels started trawing for shrimps in the North Sea.

They are the 86ft, and

This was revesled by salmon fishery owner John Barber of Goswick, nesr Berwick, when note belonging slaeked, ceusing £450 worth of to fisherman Bob Hope of damage, but Mr. Hope Insists his nets are legal.

They are the 86ft. and 600hp vessels Starlight and Constont Friend (akippers Alex Baird and Bruce Thain) and the Norweglan-built Brighter Dawn lakipper Alex Morgan).

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They are the 86ft. and Constont Friend (akippers Alex Baird and the Norweglan-built Brighter Dawn lakipper Alex Baird and Brighter Dawn l

number which have just wessel.

Mr. Berber, who lesses s
section of his fishery to Mr.
Hope, said the Department had declined to intervene had the sres is the responsibility of the Tweed Commissioners.

missioners, ssid: "I am carrying number which have just returned from a successful sprat fishing season off north esset England, will be fishing for shrimps under contract to Rothessy Seafoode Ltd.

Coastont Friend and Storlight, two Tynsdrsftmissionere, ssid: "I am csrry-

Storlight, two Tynsdrsft-designed vessels built last year by John R. Hepworth of Peull and Cubow Ltd. of

nets last Friday.
Medo by N. C. Normands FRED Harrison hee been pany, Christian Salvesen appointed managing Ltd.

director of Grimeby
selner owners and agents
A. E. Richordson & Co.

Mr. Horrison has spent all

Voldhinder of Skagen, in
Denmork, they are possibly
the higgest shring nets being
the higgest shring nets being

Ltd. by the parent com-Grimsby fish docks and, Friend told Fishing News Fred Harrison of Richardsons, before his new appointment, that the nets had 1,600 was the senior executive meshes oraund the fishing director st Richardsons. circle, as against the 1,400

Snag for Gleaner THERE was an unexpected bank near the container sang for the Fleetwood distant berth. It was passible to get the lit was pa

Skipper Bill Spesmoiat, wes The vessel ducked on the leterhead heats may switch heading up river to the dock when she grounded on a sand-from 643 kits.

The vessel ducked on the leterhead heats may switch to shrimp trawling when they when she grounded on a sand-from 643 kits.

The vessel ducked on the leterhead heats may switch to shrimp trawling when they return from sprat fishing. when she grounded on a sand- from 643 kits.

London respectively, took Going about Constant Friendelivery of their new shrimp is one of the biggest shrim

meshes cormally used by the lesa nowerful boata.

The lusts are planning to fish on the Fladon grounds

return from sprat fishing.

Peterhead, where shrimps are plentiful at this time of year.

Skipper Baird of Starlight said that about 20 Danial hand shad been an about to the decline in local manday that every effect. hants had been an the grounds recently.

Danial due to the decline in local Monday that every effort trawling and fall in offal. was being made to

snag for the Fleetwood distant water trawlor Wyre Gleaner when she approached port after a 20-day trip to the lechand grounds.

The vessel, commanded by

The vessel, commanded by

The vessel, commanded by

The vessel of the lectand ground by the container herth set lectand ground g

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1950

Rebit qosM = N S - Spring tides

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—the beginning of the end

1975-76 Cornish mackerel season

over one neep tide, meking one month's heavy fishing in oil. [The

mackaral lining season which bas now drawn to a close will suraly be romembarad as the baginning of the end for the small boat flaat.

The season began with heavy fishing on small and small/medium fish in September, but buyers were hard to find. No market realy wanted this mix end buyers eaid that the main reason was summer emalls and mediums are not suitable for processing. Some buyere were just not expecting heavy fishing so early in the season. Vessels were heading for

base as early as 9 am with 300-stone on deck, lesving behind heavy fishing. Then, fiehing became very patchy; smalls and mediume predominated with the larger ish being hard on the bottom. The graph shows the season's cetch by a slightly above average South coast vessels, which had travelled west to boast a poor year's earnings, returned home as the marketing was et the drop off of tide on the following epring. The fish steyed to boast a poor year's earnings, returned home as the marketing was et the drop off of tide on the following epring. The fish steyed

Large fish stayed deep in greph is compiled from total landings in stong per seven-day week. the Spencer Carter hydraulic gurdies showed better returns. Easterly winds kept known before and, naturally

on the grounds and there were ong and irate R/T conversations between line boat and deepses trawler skippers. Large numbers of foreign lasted about four weeks, with trawlers were also seen

fishing on the deep grounds.

December and the winter jumbos first showed for vessels steaming to the Lizard ares. Newlyn-based boats formed as a low as 30 stone a man. found much steadler landings and many of the Falmouth fleet began to operate from Newlyn, the best area being the Wolf Rock. Easterly the Wolf Rock Easterly came to light; the possible to the Rock of the Wolf Rock is a select part of the Wolf Rock is a select part of the Wolf Rock. Easterly came to light; the possible to the Wolf Rock is a select part of the Wolf

winds again caused many lost days.

Nearing Christmas massive shoals of smalls were found, but mid-water boats operating up to the three-mile limit were blamed for the reluctance of the fish to feed. The fish were close in shore in Coverack and Falmouth bays and some shoals located were

BIM MAN GOES TO PRODUCER GROUP

JAMES M. O'Cannar, flehorias davelapmant manager of BIM black and Falmouth bays and some shoals located were and some shoals located were ing the Irish Fish

several miles square. The Scottish pursers, led Ltd. as chiaf executiva by Quo Vodis, arrived and und secretary, heavy landings were put Mr. O'Connor ashore at Plymouth. Bottom

Mr. O'Connor has been closely associated with the lishing industry in Ireland since 1940. He has gained considerable experience of many facets of the Industry eince then, including a knowledge of Government

Jumbos

Early January saw the long-swaited arrival of the

ing ae low as 30 stone a man. Until then, the moin con-cern was overfishing by the

For eight yeara he was fishery officer attached to the Jemes M. O'Connor

Jemes M. O'Connor
Department of Agriculture and Fisheries when regulatione began to be introduced under North Eaet Atlantic Fisheriea Commission auspices.

Sinca 1963 Mr. O'Connor'e reponsibilities within BIM covered resource development, education and training, fishing vessel quality and standards plue financing vessels under the BIM marine credit plen.

In hie new poeition Mr. O'Connor will heve executive responsibility for the Irieh Flah Producers Organisation which was set up in mid 1975 and etarted oparating in February this year.

Jemes M. O'Connor
200 fishing vessels ere members of the organisation which represents almost 80 per cent members almost 80 per cent membership of the effective fishing vessels, over 17 metres, in the Irish fleet.

The IFPO's economic area covers all the coaste of Irieland and its membership is evenly distributed over all the main fishing centres.

Up ta mid March approximately 270 tone of fish have been withdrawn under the with drewal price arrangements end payments totalling almost 220,000 have already been made to the members concerned.

The IFPO's economic area covers all the coaste of Irieland and its membership over all the coaste of Irieland and its membership of the large humbers on the large humbers for light in the Irish fleet.

The IFPO's economic area covers all the coaste of Irieland and its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland and Its membership of Irieland and Its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland and Its membership over all the coaste of Irieland Irie

threat to the whole macket line fleet. Protests were made against Scottish pursers lecding large quantities for free markets but, as there was m government backing, nothing could be done to aid the man

February

1976

dystone area reported large loss of the line lish markets.

quantities of dead fish on the grant line lish markets.

Boxes became very hard to purser is the most efficient purser is the most efficient purser. It is not doubt that the purser is the most efficient purser is the most efficient purser. the fiels well down to the west of the grounds, the hest directed at the mid-water fishing being on spring tides. The freezer trawlers Arctic Golliord and Orsino arrived conthe grounds and the grounds and the grounds are t diverted to collect the heavy taining a high British

stopped two to three days hard to establish continents euch week -- a classic exam- markets and they feel that is nle of markets controlling stand und watch the lishing effort.

Mylor co-op, Falmouth, lost u 26-ton had in Franco, the least. lasted about four weeks, with vessele landing around 1,000 lost u 2B-tim haid in Franco, stons a day. Market troubles condemnoil hecause of a flooded market.

Feeding

Mid-wuter hunts hegan boxing fish at sea and, as the February and fishing became very patchy again, lurge fish were very hard to quality was only slightly down on line lish, the markets bente and were feeding late in the rlay. The shoals were vory cloop on neap tides, and gales from the cast sgain dis rupted landings. The line fleet has not

Thu line fleet has not hraken up. The local vassel have been preparing for the notling and lining sessen. Some incal trewlers have found a vory degreesed place and the sessence of the sessen

plnico at some market he even gone for pot beit To sum up, the macket sensun has been dominated by market problems. Some owners dealt with as many a six lauyers to continus fishing, rish were hard to be heavy fushing came box quotas water than the service of the some care and the service of shing came box quotas water

Mid-water trawlers purse eelners directly offocted the line markets for tha first time and prices did not keep pece with inflates. Next eceson will certain

fish handing

PROCESSING AND MARKETING

Fishing News quarterly supplement[,] No. 1. March 26



Scotland

A NEW 1.3 million cu. ft. cold stare opens its doars far business in two weeks time. Based at Bellshill, an the outskirts of Glasgow, this is a first venture into Scotland by cold stare operators and distributors, Frigoscandia Ltd.

Out of the total 9,000-ton capacity, space has been set aside in the cold store for hundling 2,000 tons of frozen tish, and the link with fish extends to a new £300,000 fish processing factory built on the site.

This factory, which has been set up to process herr-ing, mackerel end sprats, is the result of a unique tie-up with two well-known firms in the Scottish fishing industry: Richard Irvin and Sons, Aberdeen, and W. S. Urkles, Glasgow.

The Relichill store is part of a £5m. expansion

Stratford, London.

A new blast freezer and an extra 1.35 million cu. ft. of storage capacity wes added to the South Kirby complex, ncar Doncaster, last yeer. With a total of 6 million cu.



Office block and blest freezing section of the proposed cold etore

programme announced by THE FOUNDATIONS of the first public cold now brings the group's atore in Cornwall have been laid and the plant cauld came into operation this year—if finan-trace told Fishing News.

United Kingdom to around cital difficulties surrounding the project can be overcome.

London

Last year, at King's Lynn, Nurfolk, Frigoscandia added 1.35 million cu. ft. to its cold store would give a big store and an additional 750,000 cn. ft. to the ethre at Stratford, London.

Overcome.

With blast freezing adjacent to the main fishing ports of Falmouth and norts of Falmouth and Nowlyn, and work has proceeded to a point where the main infice block and blast freezing room are now built.

Dospite promises of Stratford, London.

Could be opening the cold store within four months," he added.

In addition to blast freezing and cold storage, the proceeded to a point where the main infice block and blast freezing room are now built.

Dospite promises of Stratford, London.

The Copperhouse Cold finance at the start of the industry is taken and the local fishing industry.

The Copperhouse Cold financs at the start of the industry is taking advantage Store is situated at Hoyle, project which did not of this. Full report page 16.

ob will be raised.

Already we have had a lot

FOOD FOR FISH

With a total of 6 million cu. ft. storoge space, South Kirby is now one of the largest cold store centres in Frigoecandia's UK chein.

A fleet of 65 refrigerated trucke is now operated by Industry, the £300,000 plant put up by Edwin and initially 12 will be based at Bellshill.

Full report of the Bellshill cold store and fish factory ia given on pege 17.

With a factory based at Sudbury, in Suffolk, the company decided to move into Scotland because of the big director of Edward Baker.

French spend-up

BOULOGNE — the of deep freeze chambers drawn to -30 deg. C.
EEC — ia planning to Bnulogne Chamber became ane of the major commerce and Industry ald atarage centrea in keen to attract British con Europe by 1980. penies
With French Government within

around £33 m. on expanding port is ideally pleced for a the port and another £1m. on hnck-up facilities, including a factory which will be rendy early next year.

This suggested the port is ideally pleced for a drive into Europe.

The overoll project for 1980 will include around 300,000 cm. m. of low temperature

rendly early next yenr.

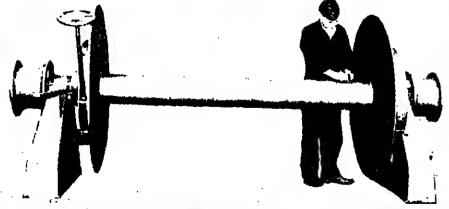
This factory, on the reconting industrial zone, will be purpose-huilt for the manufacture of pre-cooken of the construction, starting this May, will consist of a 2,000 sq. m. shell building designed for the installation will include around 300,000 cm. n. of low tompereture storage capacity and a 50 per cent increese in the already substantial output of frozen sea produce.

The project also envisages an annual output of up to 10,000 tons n year of precooked meals, including gomest preparations, usinly from small production units.

npiroval. Boulogne's handling a third of the French Chamber of Commerce and export market in deep freeze ndustry plons to apend products. It is suggested the

veryspecial ket. 12060 10 kilo tel: 12070 50 kilo materialise the proprietor — Essex businessman Charles Craze — is optimistic that the Allibert high density polyethylene containers are specially designed for safe, hygienic storage handling, and presentation of all types of lish. They are strong, lightweight, easy to handle, and "Once we get the cash, we could be opening the cold store within four months," he designed to keep fish in perfect condition. For shipboard or quayside handling and storage. Allibert stacking, interstacking and stack nesting containers provide a complete ALLIBERT **The specialists** SOMMER-ALLIBERT (UK) LTD. Berry Bill Industrial Estate, Droitwich, Words WR9 9AB Tel: Droilwich (09057) 4221 Telex: 339841.

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quitous fish finger. Last year Birds Eye Foods,

Birds Eye frozen 1000 comnioneer and pace-setter in the way about 160 tons of carefully-selected quality cod s converted into 100 tons of

tion, I suggested to Birds Eye The fillet is mixed with a weight an average of about that I might be given the adution of polyphosphate to 0.8 oz. Marahalled in line, chence of seeing this process maintain the original euch these blanks are fed through a makers of fish fingers (or finmed in mould trays which from flour and water with sticks) in the world sticks in the world.

sticks] in the world.

This was quickly arranged and I was soon being passed by Les Bonney (who heada "moulds of impaccable the fish plant section of the geometry".

Are deep as a fish finger and flavour enhancers such as salt and monaodium glutamate and wonaodium glutamate added.

A variable speed fan blows off eurplus batter before the Grimsby complex) onto his This accuracy is essential

nside the pace-setting 20 hand filleters

Last year Birds Eye Foods, the company which 20 years hefore had started the process by which the fish finger by which the fish finger becsme part of the British two section chiefs - Peter for smooth movement hygieno and quality checks way of life, celebrated the Smith in filleting and Eric through the machines which and waste-saving mensures event appropriately where it Cribb in the section where the take blocks of fish in at one added — this appracently sim-

started and where most of the precisely formed frozen end and disgorge brightproduction has been efficientblocks are converted into cut, culoured packets of fingers at the other.

The fish aection of the fingers.

The process is easily ex-equipped the incomplex ced in to "planks" each as plex in Grimsby is both plained. The incoming cod is

-report by --PETER HJUL

headed, fillated, skinned and Raying missed the celebra- the pin or vee bones cut out. weight finger, the fiah blank

crumbs. Another fan blows

off extra crumbs The finger is now just ger is then packaged and

To give a one oz. nomina

FISHING NEWS

other sources of fish. Working Economy fish sticks sell at a lower price than fingers. wide as the length of a finger. Another batch of saws then ting and block forming section in the Grimshy plant can Hull, Fleetwood or other short while in the insulate cuts individual finger materinl a day.

dinge into the Grimshy market two miles away, but fish also comes in from other markets and in block form from the whole fish freezers, in ore space, only nine can go white and stronger ore five lines of 30 to the control of the co

finger moves into the part of three machines are now n substantial increase in filleting still gives us the bet the machine which adds the operating and a fourth is be- lahour and transport costs. ing considered. The two latest The finger is now just by Bankside Engineering in ficiently, but the difficulty about ready for packing, but Hull and use warm water they have caused reveals have refore this is done the outer spray. Each of the machinea accessary it is to consider the limit that this individual

efrozen ready for distribu- and, at the reception aren, I Expanded to the scals of tion of plastic fish hoxes in lish is washed and placed in the Grimsby plant's capacity and out-put — and with the welcomed at the factory.

Hash is wished and placed in yield techniques evolved in the factory.

Hash is wished and placed in yield techniques evolved in the factory.



handle about 100 tons of raw more distant markets comes holding roam, or moved direct pricked in hee in special ten- into the cutting lines. Much of this is acquired by Birds Eye buyers from landinge into the Grimshy

Kit containers, the Grimshy supply stuys in the murket kits during transport to the reception depot.

The coeffice works at the Strangely siles for the section would seem strangely siles.

and monaodium glutamate added.

A variable speed fan blows off eurplua batter before the finger moves into the monaodium glutamate added.

The increasing frozen block on a pollet and the vehicle intake is reflected in the new load hos had to be reduced to thawing plant huilding, where some fine plastic boxes consume there are five lines of a stations each and the factory on a pollet and the vehicle complex into the most of the most of the first plant. The effect has been with the most of the first plant and the plastic boxes consume the plastic boxes consume

In partly habine this the the three plants were built hoxos do ice tho lish more clcoating is heat-set by frying con thaw about five tonain an effect on large-scale users treatment results in a yield for about 45 seconds. The eight hour cycle. eight hour cycle.

Wet lish errives in its ice
Wet lish errives in its ice
From the kits, containers when technical innovations which is about thres per cen

was shown why the introduc- and thawers, the incoming

selection and control averthe product", said Peter Smith

"The hand fillster trests netter than we could obtain Contributing to the high

yield are a anmber of

March 26, 1976

for the fish meal plant.

Extracted

mise extraction of useful workers move out, the meat from an average size cod machines are shut and In 1111 to about 55 per cent. comes an army of cleaners to in to about 55 per cent.

From the hand lines, fillets wash down and thoroughly get their first of several sanitise every table, machine, washings, move along a con-veyor belt and are graded, mould in the factory.

FISH HANDLING, processing and marketing

They then pass to a battery of While the wet lish cutting ten Baadar modal 46, 47 and and moulding section is 48 skinning machines. The organised for greater preciskins move with the rest of sion as a huge manual operathe offal into the flume and tion, the actual making of the conveyor explored landing to a final finger in the could be collecting point for material mechanised.

The section under Eric Cribb receives its supplies of frozen and moulded blocks in Skinned fillets pass from about equal amounts from the machinea to where a team the Mr. Smith's section in

the machinea to where a team the Mr. Smith's election in of four to each machine completes the trimming and Eye factory in Hull.

Far feeding into the six long machine where usablo meat is saws is first into halves, then extracted for return to the into live pieces from each hulf main process line. and then into 20 lingers from

particles such as the meat machines, the fingers dis-

FISHING NEWS

There the skinned and bon-each piece.
ed fillet is sliced, mixed with Moving through the from the dehaner, appear into a cascude of white Abovo: women load lingura polyphosphate is added, the battor specially pre-mixed in into troys effor the frying stegs.

mix is weighed, and it is another room to a Birds Eye They are then sent for pocking. spread evenly in tray moulds. recipe. The crumbs are blown the lidded moulds are placed evenly over before the butter in large wheeled racks to be can dry and all crumbs not ing.

the finger section. But, while After frying, the fingers go there are other lines, this is into the most intricate part of weigher. This is set to the exthe basic work carried out in the line where a pre-set act prescribed weight of the the vast single hull by its number are grouped (six, 12 pack and rejects any that are work force of more than 400. or whatever is required from under weight.

Production goes on day the particular line) in a Although the fish linger is after day, from early in more mould. A flattened hox is now a very uniform product

SCHOOLS

This section of the tachery butter-clinging cover are does not only prepare fish for blown gently off.

Contributing to an even, Each how is embossed with a code to indicate when it was locked and where, and it packed and where, and it then passes over a check

ning until 10 at night. Then shaped and the fingers are in size, weight and shape, the everything stops. The shift pushed into the lox. nachine lines in Grinishy can be adapted to turn out my of about a dozen different packs. If the pack carrying the label Fish Finger contes from Birds Eye, it will conain a product made only

In a factory so intensively organised to work on cod as a raw material, it is not surprising to learn that this species is also one of the main



FINGERS' INTO

KILTIE, the wholesale London Transport's central expansion, tou, with od- A runga of recently frozen food division of kitchen.

eadenhall Market and vehicles Coulsdon branches, which Bermondsey is an impor- Bermondsey operations supplied in packs of

London centre has 16,000 customars. Thay are also Kiltie will be pushing its cu.ft. of storage space in Berseeking caterars prapared to products at two exhibitions mondsey Cold Storaga.

pay for quality fish and noxt month—at Brighton reliability through ragular and Blockpool. from the deliveries using refrigerated

have now closed, and is tant centre in the chain as it supplying 800 London schools has the vast potential of Lon- a driver load frozen fish on to The range of family as a driver load frozen fish on to

MacFisheries, now has
Several of the etaff of 15
10 sales and service are ex-Leadenhall man, including operations manager cluding operations manager ing iate last year of a sales taam is headed by problems.

ditional cold store and introduced 21b. polyum products for the home freest available. Delivaries to central London ore, hawever, will be featured. They have a lamper of the problems are ex-Leadenhall man, in a sales taam is headed by problems.

ing late last year of a base in Bermondsey, London.

The centras are set-up from Preston in the north to Taunten in the south, and the new London centre has 16.000

John Ticahurst, while the sales taam is headed by former Coulsdon man, Roy Reynolds.

The centras are set-up from Preston in the south, and the new London centre has 16.000

John Ticahurst, while the limit ported by priking problems.

The cantro is being run "committently". Office accumundation includes a model of the Claymore lated in polylogy with the committee of the Claymore lated in the limit ported by priking with the sales taam is headed by problems.

The centras are set-up from Preston in the south, and the new London centre has 16.000

Kiltie will be mushing its

seafood

Now Kiltie products at the exhibition will be boll-in-the hing 71 uz. window pouches of milden haddock cutlets and

Kittio s prawn could supplying 800 London schools has the vast potential of Lonwith fish fingers and some don's large catering industry three tons of food a wack to deal with. There is room for lordes.

In manager, John Recentled, Resp. 18 that centre in the chain as it manager, John Recentled in the range of family and a driver load frozen fish on to lish packs in 2lb. polyber has been introduced to wide. he marketlog scope

> readed fish lines. "Kiltia has recently le reased its emphasis on the nome freezer and calering markats, and we regar economy of outlay to the essential sumer, said J. M. Gardan, UK sales manager.
> "We have done this both in

"We have done this both reducing packaging costs in by uaing a smaller, more solvenient pack weight."

The polybage have adopted for haddook Pland cod fillets, and for golden braadcrumbed of these products.

The polybag products of these products.

The polybag products of these products.

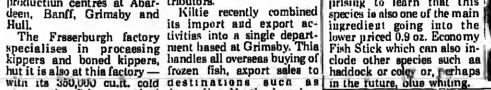
The polybag products of these products.

The will be madengalde adopted the processing, and goods.

production. These operations chains under their own labels are concentrated at Frasar- and for other householdburgh, with additional name frozen food dis-production centres at Abar- tributors.

kippers and boned kippers, handles all overseas buying of hut it is also at this factory—frozen fish, axport sales to with its 350,000 cu.it. cold destinations such as store—that fish are smoked or frozen, and breaded and fried products are prepared.

Here, too, fish is packaged, mot only for the Kiltie brand, but also for superparet exporting of her ling.



but also for auparmarket exporting of herring.



cottish fish coming through the loading bay et Klitle's nondeey cold stere.

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COSALT

FISH HANDLING, processing and marketing QUICK START ON BIG IRISH FISH COMPLEX

annually in three years' time. Building work includes 1960, has expended rapidly Around 6,000 tons of fish a cold storage spece of 2,000 and sales in 1974 were £28

plans export base

A BELGIAN has an-neuncad plens for a fish procassing plant at Fenit, County Karry.

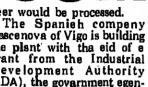
John Paulus has establishod South West Exporters Ltd. and leosed a number of storee an Fenit Pier from the harhour commissionere. Hie aim is to turn them into cold stores, processing plant and to export from there to Euro-

nenn markets.
Mr. Paulus said ha would buy local fish, but falt that Irish fisherman hava a lot to learn about praparing catchea for the European market. Ha said that his company would give Irish fishermen instructions un cleaning aboard the trawler before tha fish ara lended.

Plenning permission has been epplied for and outline permission granted for the dayelopment to start.

Mr. Paulue did not state when this would be, but sald he would be taking dalivary of e 74ft. traver to help supply catches for the plant.

He hopes aventually to se up e purpose-built flah processing plant at Kilfenora. but in the interim ha Intande



WORK starts next month on building a Spanish-backed fish processing complex at the south-western Irish fishing port of Castietownbere.

The Spanish compeny to grant from the Industrial Development Authority (IDA), the government egency for promoting industrial to be plant should start production at the end of this yeer and be producing products worth close of £3m. Eirenove.

Building work includes

Ginger markets. Leter it plene to diversify into braeded fiels portione and pre-fried cooked products.

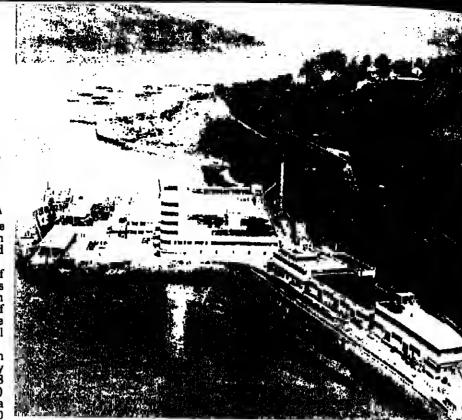
About two-thirds of Eirenove's fish requirements will be supplied from its own four vessels which will fish off the Irieh coest. The balence products worth close of £3m.

Building work includes

tons capacity.

Initially, tha complex will people and maintains a concentrate on frozen filleted fish for tha cetering and fish ships.

million. It employs 4,500 people and maintains a world-wide fishing fleet of 130 ships.



AMANAND HIS VAN



This is a service hotels in the Newquay aread

Behind this venture is a heater and bewt of cruit young former edvertising ire are olso carried on but salesman, Nick Howall (24)
A hright, modern lost given to the interior of these moved to Carnwell last year through a clear glass for and went into the fish roof.

Nick Howell's field distribution service starts on the market at Newlyn, whure he buys mainly sole un the hone, ulong with brill, pullock and lobetere. His polobluo Badford 35cwt. van, which has been converted for the preparation of fish, is now a regulur part of the fishing scone at Newlyn. Overload supplies are sametimes taken from Grimsby.

Inside the von, 330-stune of fish will avantually be handled each work. Mast of the fish nuw goos to eatring af hotels in the Nowquiny oreo. Stoinloss stool units are fitted in the von for washing and filleting the fish; two woste

fillcting the fish; two weste yet and I om siming to tanks are provided. A water pand my soles to London, to

naetly converted fectory on four whaels'. Below: his distinctive pale blue van is now e familior sight et Newlyn merket.

Cornwall are now getting.

FRESH FISH from a factory on four wheels

toeted at Stithiens 519.

FISH HANDLING, processing and marketing

AN UPTURN in the American economy towards the end of last year means the outlook for fish consumption in the USA this year is 'fairly bright', according to the White Fish Authority.

Incressed fish consumption in the White Fish Authority. ding to the White Fish Authority.

This is good news for the British industry es the US market is a world barometar of the minus and barometar of the minus

for fish prices end eo hes a direct bearing on the market

The European edition of

sent out to axisting sub-

scribers to the US letter. It

outlines the market situation

morket for fish, 1975.

Mr. J. R. A. Cumming, an essistant economist with the much more euccessful WFA's Fishery Economics Research Unit at Ediaburgh, reports the eituation in the pass A review of the US rote of the US research Unit at the name of the US rote of the US merket. Previously expression of the US merket. Previously expression effecting the UK.

He easy lest year proved to He easy lest year proved to be a much more euccessful proved in liae with the economy and this led to en interest of the use of the US rote of the use o

For n whils at lenst, the unths Gruber/Erkius Seafood certainty will moke occurote Latter mode its debut in forcesting extremely diffehrunry and is being edited ficult. Thus, the observation

February and is being edited ficult. Thus, the observation by Eric Elston, who recently that Iceland might be in a retired from Birds Eys efter strong position to supply her more than 25 years. Latterly morkets, which was a feir has was the firm's supplies essumption of the end of 1975, was changed drastically hy minl-February when His wille experience is evi-dent in the introductory issue prices was followed two days later hy a general atrike over

wages.
The European edition, to in the main fishing countries be multished every second in Western Europe, and then month, will cost about £120 considers the current and (\$240) a year, the monthly US edition about £100 (\$200)

Factory trawlers

TWO West German factory ships headed south to e new basa at Walvis Bay, South Africa, in January and are now ranging the southern Atlantic for hake.

pected to follow them if the vessel includes a specielly-pilot project shaws promise, built automatic net drum, accariling to the German together with the latest in fisheries journal AFZ.

The ships are awaed by Conting, for instance, is ful-Nortleec and are of the ly incensised and the fish, University class. The first two — Freiburg and Tubingen — were built in Tubingen — were built in 1566 and have recently af the two ships now working refitted for operating in on hake are Baader's 190

Erlangen, Heidelberg, Bonn ship factory decks, the 190 fr. scut being similarly refitted The unit is claimed to fillet

Germany's recent agreement It is cloimed that the with Iceioni which stipulated the exclusion of Garman factory ships from Icalond's limite stally declared 200-

mile limit.

Nordsee's technical director, Wilhelm Janssen, and the six University-class ships to be refitted and mentioned that the refit would also enable them to be modified with relative assa

Four more vessele are ex- The modernisation of aach processing equipment. Gutting, for instance, is ful-

opical waters.
Their four sister-ships — designed to reduce labour on at Bremerhoven at on estimated to meet at Bremerhoven at on estimated cost of £1.2m, a ship.

This move follows Weet a minute.

modified with relative case Bay, where crews will be for fishing in either cold or changed and, eventually, tropical latitudes.

The market upturn came

report.
Total US fillot consump-

were up 18 per cent to 26.2

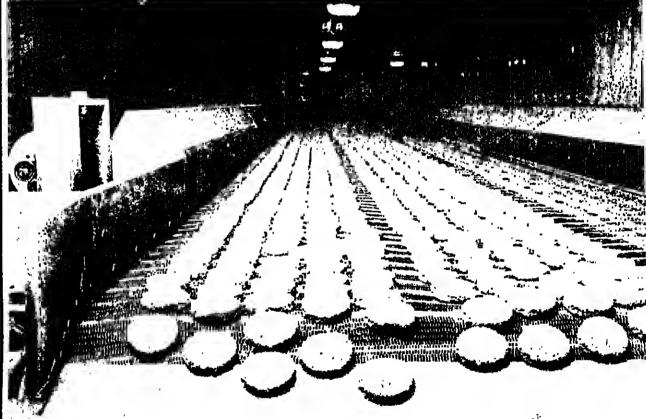
pounds, while block imports

after the most prolonged and severe recession of the postwar period, occording to the Scampi expansion

A EUROPEAN varsion of nawslettar which gives confidential information and opinion on fisherios mattars has been publiched.

Analysis is presently completed by a general situe-observable in fisher industries avar of the fishery industries avar of the fishery industries avar of the fisher industries avar of BUSINESS at Whitby Shall Fleh Co's ecompl factory is

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Heaviar products that do not fluidise, such as fish portions and mest products are handled efficiently on the "Doubla-Flo Unitunnel" system. This system gives an initial "quick-sat" of exterior product surface and the complete freazing process is complated within the same unit on the

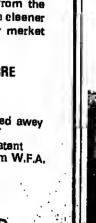


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are due to be installed in a Stornoway fish factory the week for handling hlue whiting. This is
part of a joint effort hy the White Fish Authority,
Islands Development Boerd to get what has
been predicted as a massive fishery for
the British fleet off the ground.

Although it is reckoned as alleged of the ground.

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Although it is reckoned as alleged of the ground of the dependence upon cut due to the dependence upon cut due to the dependence upon cut due to dependence upon cut TWO PROTOTYPE fish processing machines this the fish move off to an are some problems too, with lomineted block for cutting

because of its amall eize it is

the Rolf Olsen factory an the Isle of Lewis, where a mudified Arenea CIF/CIS machine, and a new Baader 121, ere being maved in for experimental work.

The Arenco machine will be used to process skin-on block fillets end the Baader nischine for ekinlass fillets. A Torry machine will be used for grading the blue whiting.

During the trials, eround 50-tons of blue whiting will he hendled by the filleting machines. The block-fillets will be plete frozen and despatched in shatter packs, while the ekin and bone-free fillets will be frozen in blocks.

In the event of problems heing encountered with the machinery, hand filleters at the fectory could be called in.

The catching side af the joint operation is being run by the HIDB (see right), whils Torry will assume responboth at esa and ashore. All ths processing work is being supervised by the WFA.

The fieb will be landed at Olsen'a factory both boxed ond in chilled seawater containere. Alcoa containors and u tilt unit will be used.

A mabilo crano on the quaysido will handle the cantainers an and off the vessels and they will be taken into the factory by fork-lift truck. The apportunity will also

be taken to test emall haddock and whiting on tha filleting machines.

One of the main problems to be faced in dealing with blue whiting ie time. The

that one million tons a year of one, mainly between blue whiting could be taken. February and April. After On the catching aide there blue whiting makes a good problem.

FOCAL point of thepitot sched up

FISH HANDLING, processing and marketing

an answer to rising cod prices?

processed products.
Without the technological and merkating support of the major frozan food companies the industry would railect a very much less significant image then it svan doss today.

As a result, there has tointy in the trawling in-dustry, that relationship must be preserved.

Attractive

OVER the past 20 years the frozen food Industry has supported the fishing industry by merkating good quality fish as consultent. A former technical good quality fish as consultent with and In the farm of processed products.

THE suthor, Eric Eiston, is a consultent with 30 to evok the fishing industry by merkating industry by merkating good quality fish as consultent. A former technical director and supplies director of Birds Eye Foods Ltd.

The locating and in the farm of processed products.

We must, however, not forget that better use could be in good condition over a location over and block means that the form of processed products.

Whitever the past 20 years appeared to handle and will not evok the slightest degree of interest by this frozen food processor.

The locating and will not evok the slightest degree of interest by this frozen food processor.

The locating and in the forming of the species in good condition over a location over and location over and location over and location and will not evok the slightest degree of interest by the state of the problems that successful last season but has and will not evok the slightest degree of interest by the sl WFA Research and Development Committee.

devslopsd s closs interdependencs and, in these days of trouble and uncer-

The cetching industry is currently faced with snorinnus problems and its future is invertain. The inturel stocks of cod and other traditional species are rightly being protected under interuntional agreements and trawlermon are not only concorned about where to fish, frozen foud processors, in-

patential of the frozen food industry cannot surely be specified with a surely be Speed boat the The marketing man knows consistently told her that cod is best; he has spont hundreds

Blocks

supplies in conveniout form. In the case of blus whiting this excludes whule fish as their relatively short "life" and small size (25-32 cm.) would place an intolerable lurden on factory resources.

he objective should be a skinless - honeless bluck-There comes a point, with the putential of direct under connucreial conditions hut elso obout where to usu, trozen tong processors, inhowever, when the housewife renversion into breaded por
norketable species they may pony, orc not so attrocted; may not! We have to prepare
the for that eventuality, portation, if desired, with
the for that eventuality, portation, if desired, with
the first the render to usu, trotal exercises will show eventuality.

There romes a point, with the patential of direct date rounded por and maintain its quality to the portation that the characteristics as well as total exercise will show eventuality. other species mnintaining

made of small haddock end codling — and, looking further ahead, we should seek a way of using the blue whiting resource to the benefit of both the trawling and frozen food industries.

e longer period than the two bone separator. Work in — three months so fer setablished. This is being purpossibility. Furthermors, modification now being made to the blade assembly of the Arenco SFA4 may offer and Torry Research Station.

2. Quelity preservation on board — the reduction of new design of machine for damage in the nels essociated skinless fillets with constitutions. The frozen food producer with the sheer density of the siderable length talerance, noeds assured regular shape, daspite short and it is known that this will supplies in conveniont form. tows, olso proper handling to shortly he unveiled and put reduce diacolaurotion of the on trial at Stornoway

3. The cost and adverse eash flow effect of long term storage between seasons. In order to got the best tex- It has at least been deterture and minimise handling, mined by Torry that raw material may be stored for nine months at -- 30 deg. F

> 4. The ability to size grade preparatory to turther

 Incornoration in suitable trozen products and the aueffectively carried not by the Trozen food companies in the

entend. This will necessorily depend on the movement of cod prices and the costs of ambing and processing blue rhengly produced blocks of 5. The development of ef-communited flesh may be ficient pachinery to bend, relationship is sufficiently en-osed in part substitution of gut, wash, fillet, define and couraging to justify con-coal and other species in skin. This is the ultimate and timing development effort

mechanically and produce a good fillet. Now, big hopes rest on the work which will take place in the Part Olega forters on the control of the BLUE WHITING for got on to the next stags the processing trials at Stornoway will be brought ashore hy two trawlers which start a transfer the hopes for the travelers which start a transfer the hopes for the result of the hopes for the hope year of trial flehing on development of a new year-Along with other species such as send eel, pout, eprat, and meckersl, it is hoped to setablished an industrial series in the ser the stocks next month. Famil fishery that could have

throughout the yesr.

Successful fishing trials for blue whiting wars carried out last year by the Highlands and Islands Davslopment today.

"With interest board mamber of the best ball of the ball of the best ball of the best ball of the ball of the

this week that they wented to

Tha ex-Swedish trawler Cermel, now re-named Hebrideen (SY217), has been bought by the Highlands Board to fich blue whiting. Shemara (below)

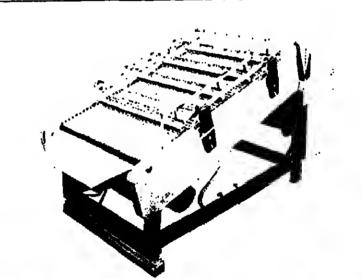


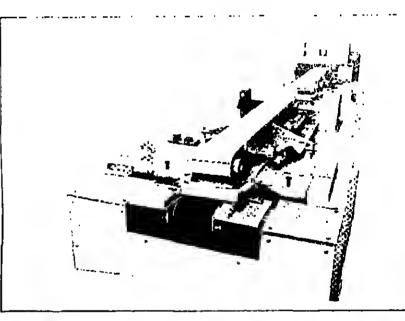
fisheries around their shorss, end the concern over the duct pair stocke of certain species, we a large st must pay groster attention to south, untapped resources.

"We sss considerable Along with the Atlantic for industrial fishing board has bet which will both reduce the ing group and industrial fish mead for imported the experies and take the a controlled pressure off edible apprise. potential in the north-eest laboratory, pressure off edible apscies currently fished for mesl and

The hoard has now chartered the Peterbead trawler Shemara, owned and skippersd hy James Pirle, which had already conducted which had already conducted experimental voyages on blue whiting. She will work in conjunction with a Swedish trawler Cormel, which has been acquired and renamed. Hebridean.

An eight-strong crew is now shown being essembled and Hebridean le being commanded by proper Alex Smith, an extwitte profession Authority expect.





Intel reputation

INTEL

The word that means fish processing and handling. In any language.

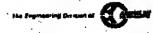
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customer gets tha right grade of product and, as far as possible, the factories work to

capecity.

Marketing is a major part

of the Sevamaide operation.

in this country a brench at

COCKLES seem an unlikely besis for a muttimillion pound business, yet this shellfish started Severnside Foods Ltd. on the way to success.

The company has now grown to be probably unique in the fish industry, as it controls ita whole operation from The Welsh Seato growing the raw materials to delivering the product direct to the sales points. Brothers Trevor and Tom

Jones of Briatol atarted the business in 1945 with e capital of £80 by selling fresh coreles from lost to door.
With food rationing in

force, there was a big demand

Expansion continued and a mussels form the major part packing factory was opaned of the business. The company at Petchway, Bristol, in 1952, produces most of its own Cockles in jars were in supplies of these shellfish. troduced and were immedistely succasaful, so depots were opened in varioua parts of the country.

Progress was not without problems. As olways with the the Essex coast and processed ehclifish industry, arratic and seasonal supplies causa considerable production difficulties — and a large pack-

ficulties — nnd a large packing factory cannot be kept idle waiting for supplies.

Flooding on the aast coest reduced supplies of cockles are sent to Patchway for packing or frazing. The cockles are supplies at Penclawdd dwindted.

Alternative sources of aupply were found in Denmark and Holland and, for a whila, most of the cockles and by Severnaide came from Holland.



for cockles which were exempt end business boomed. The cockles ware obtained from Penclawdd, South Wales. The brothars tried selling other fish but the cockles were as successful that the business concentrated on them. Reliable supplies of the raw material were esaential and it was realised that this could only be ensured by having full control over the product from the first packa and bulk. Frozen most modern plants of the turnover. The factory et Patchway turned to producing fish cakea and fish fingers, but the brothers as the future in shellfish and decided to concentrate on them. Reliable supplies of the raw material were esaential and it was realised that this could only be ensured by having full control over the product from the first packa and bulk. Frozen most modern plants of the turnover. The business here is run

trol over the product from

ABERDEEN JIG AND TOOL CO. LTD.

QUEEN SCALLOP SHUCKING LINE & EVISCERATING MACHINERY

Photograph of Eviscerator & part of Shucking Line

For full details of this plant & equipment contact:

ABERDEEN JIG & TOOL CO. LTD., CRAIGSHAW CRESCENT, WEST TULLOS.

ABERDEEN AB9 21B. Tel, 0224 871781

Freezing

trol over the product from catching to selling.

A large shellfish business mere way. A large shellfish business mane was launched in 1949, product and mussels were with cockles in vinagar being tried. This was successful sold to local public house.

The Sevarnside brand could not survive on only one mane was launched in 1949, product and mussels were with cockles in vinagar being tried. This was successful sold to local public house.

The business mere latitude. Walsh Seafoods Ltd. which gatherathe seed mussels from the western end of the Menei Straits and lays them on apacially-prepared beds off Bangor, then processes them.

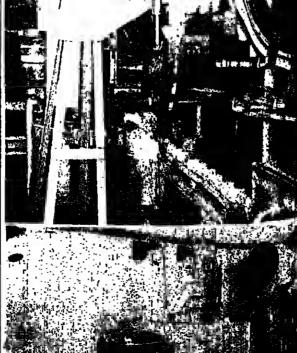
Straits, and recent development of the bosts doliver mussels side is able to ensure bed direct to the fectory where quality and quentity. The

three years balora being mechanised system. As vil harvested. cnckles, the procession



Cockles are harvested on

Left: a Sevarnalde muaa al bottiing lina. Above : s nitrogen fil in operation with individually quick frozen mussels coming tha line. Salow: the cookle bottling line is largely eutomet Sottom: quality control and testing eres, where a control watch is kapt on product quality.



FISH HANDLING, processing and marketing

Scots backing In this country a brench at Thornbury, Glouceatershire, handles the distribution of frozen products of both Savenside and other firms in the area for shout 50 miles eround Briatol. Similarly, products in jars are handled from the Patchway factory. Netionwide the ealea are handled by Janks Bros., of High Wycombe, one of tha Isrgest food factora in the country. Abroad, Severoaide has subaidisry aslling comerces as subaidisry aslling comerces as subaidisry aslling comerces. TRAWLER owners Richard Irvin and Sons. Never moved into fish processing end marketing at Aberdeen, Glesgow end Cornwall to diversify its interests. In January the firm took over the premisea of fish merchant Wm. Taylor Jan, at Sinclair Road, Aberdeen, and West Country fishing could be as subaidisry aslling com-

Award

Severneide was awarded

side ronge of products. On the fish side these include jare of whicks end jellied cele, julus a variety of value added frozan

additive, so that the whole dish is contained in a frozen

Outside the fish field, pickled eggs and lemon elices in plastic pots are a speciali-ty. The foctory at Patchway contains one of the two egg-shelling machines in this

The compeny is also divar-sifying into the cold storage business. Severneide Cold Storage Ltd. owns 11 million cu. ft. of modern cold storaga cu. ft. of modern cold storaga
space in the Bristol area and there are plans to expand this food Federation Exhibition with etores in other parts of the country.

Public

Whilet these atores are used for Sevarneide products, thay are primarily public cold

stores.
Severneide will not giva figures of its snnual sales of cockles and mussels, although they are without doubt the market leaders. The firm would, it says, be prepared to give the figures if other firma in the industry did the same.

Severnside feela thera ia a need for o trade organisation to be in a position to collsta and publish such figures, both in the interests of the in-

dustry and conservotion.

The development of the cockle and mussela beda at Caernervon and Easex haa been done with a great deal of frnii the White Fian Authority and the Ministry of Agriculture, Fisheries ond

The WFA was particularly holpful in the development of machonical mathods of dredging ond groding cocklaa. It is only by putting the in-dustry on this sort of footing that the supply of the raw material can be guaranteed. Severneide Foods Ltd. has

new products planned and we cen expact to sea further diversification, but atill

retoining the basic connection with the fish industry. The cockle is likely to remoin its mainstay for a long le intended for the menuteotime yet.

High Wycombe, one of tha largest food factora in the country. Abroad, Severoaide has subaidisry asiling compenies in Holland and Spsin where the majority of exports The Interests. In January the firm took over the premisea of fish merchant Wm. Taylor Jnr. at Sinclair Road, Aberdeen, and founded Alert Seafooda (Aberdeen) Ltd. with e conital of \$150,000.

where the majority of exports go.

Agenta handla aalea in other countries, including Austrelia, Portugal, New Zealand, Swedan, South Africa, Cyprus, Catada and the USA, which is seen as growth market.

Spein takes large quantitios of frozen cockles, On arrival in Spain cockles ara defrosted, salted and canned.

Whereas Kismet will look at the marketing sida of firm, Irvin will provide the firm, Irvin will provide the firm now employs about adefrosted, salted and canned.

Aberdaen) Ltd. with e capital of £150,000.

Irvin holda the lergeat and that locat field ormen could olso move into lerger pany will work in harmony with English fiahermen and a bigger way.

An extension of UK fishing of south west that already it had helped a limits would certainty help the industry to develop in the south west, but at the present the firm now employs about 20 people and buya whits fish landed at Aberdeen and defrosted, salted and canned.

Whereas Kismet will look at the marketing is do of firm, Irvin will provide the firm, Irvin will provide the firm now employs about 20 people and buya whits fish landed at Aberdeen and defrosted, salted and canned.

Whereas Kismet will look and would very much like to expand this eide of the business. It would also monage local hoate in addition to solting catches londed in the tocat fish ormer could olso move into lerger pany will work in harmony with English fishermen and a bigger way.

An extension of UK fishing the hold day of the the develop in the south west, but at the present the firm now employs about the firm provide the firm, Irvin will provide the firm, Irvin will provide the firm, Irvin will provide the firm of the develop in the south west, but at the present the firm of the develop in the south west, but at the present the firm of the develop in the south west, but at the present the firm of the develop in the south west, but at the present the firm of the develop in the south west, but at the present the firm of the develop in the south west, but at the present the firm of th

Irvin has also entered into a joint venture with Kismet Fisheries (Cornwall) Ltd. of

Irvin's director, John The Queen's Award to In- Craddock, told Fishing News dustry for ite export perfor- the firm has taken this step other lines ora being introduced into the Severn-which may fish off tha English south west coast. The

Penzance.

FISH producte end/or side for processors will be featured at three exhibitions being held noxt month. First to open will be the

Northern Cstering Exhibi-tion at Norbrack Cestle Hotel, Glackpool. Show detae are April 2 to 8. et tha Metropole Hotel,

The Scottish Fighsrias Exhibition at Dam Park Hall, Ayr. Scotlend. rune from April 20 to May 2. Products for fieh handling billed to appaer include: fish boxes and berrels; pressure leenars and ch

dustriet clothing; los mechinsa and fish gutters.

• Merch 28 (11 e.m. — 5.3D p.m.) le the date the Friers is holding its area rally and trade axhibition at Lancestar Hall, Salla Vue, Manchester. The axhibition is opan to membars end non-mambers of the fadare

BIG SHIP

A SECOND 8,700-ton rafrigaretad carriar has been converted into a fish mesi factory ship for Russis at a Swedish shipyerd.

Tha vessals, originally built in Poland, have bean equipped with Alfa-Lavel Centrifish proceeding units which will be used to mesh catchas — mainly poler ood — end turn them into fish

Tha meel, pecked in either sacks or presesd into pallate, will be stored in the ships' holds. The fish mesi will be used for animal fand end the oil by-product ture of mergarina.

by Scottish boats fishing in the area. Mr. Craddock feels that the West Country fishing could be a good thing for the Scots and that local fishermen could olso move into lerger floats and davelop trawling in a higger way.

built purse seinare Gollic May and Gallic Rose, which are owned by Gallic Shipping Ltd. of London.

These vessele, which have Ayrshire skippers and crews, have sold their catches to France and Holland, but more recently have been un-loading mackerel to W. S.

Unklea of Glaegow. Irvin's mova into the Weat Potarhead herring trawlara — Accord, Starcrest and Foithful — had sailed aouth to fish for mackerel.

The other important move made in Irvin recently was whon it took n 40% ahare holding in e fish processing foctory on the site of

Frigoscandia's new Glasgow cold store. With W. S. Unkles, the ing, sprats and shellfish.



NORDISCHER MASCHINENBAU RUD. BAADER

BASED ON MORE THAN 50 YEARS OF EXPERIENCE

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the belief that there would be a big increase in demand for frozen food in this country.

At that time managing.

sion programme for coid etorage in the United Kingdom was a nounced back in 1974 by Frigoscandia 1974 by Frigoscan

FISH HANDLING, processing and marketing

FISH HANDLING, processing and marketing

mackerel boom has revealed anything, it is that the shore side of the industry is hardly to bendie Cash Crisis hardly geared up to handle landings on a big scale.

To see tons of fish making only Intervention prices and baing carted to meal factories hundreds of miles away is a tragedy—especially when, if it could be a good market for it later on.

The same goes for the earne goes for shellfish in the southwest thousande of crebs

The same goes for skellfish in the southwest thousande of crebs

The pointed out that only one

season because der contract to iand to processors lack the cepacity to take them. This is why the cepacity to take them. The small freezing and the first public blast storege facilities coattered around the county are usuelly only comperhouse Coid Store available to the boats un
The small freezing and coid store available to the boats un
An investment of a diving, enthusias
Cial thread, is a blow to call thread, is a blow to the store of a blow to the industry in Cornwall. The industry in Cornwall, but the industry in Cornwall, plete the complete the contract to iand to cial thread, is a blow to the industry in Cornwall. The need for a which would make strangor to the Wost store in Country, or the fishing industry. Charles Craze by Big. Although much of this venture is Charles Craze, a processing firm at Charles Newmen, also Figoscendia has been taken.

An investment of a driving, enthusias
Tothes, Dovon — Dart
South freezing and coid store of the industry in Cornwall. With the sheli of the of-which would make strangor to the Wost store in Country, or the fishing industry. Charles Craze by Big. Charles Craze by Big. Although much of this venture is Charles Craze, a processing firm at Charles Newmen, also Figoscendia has been taken.

An investment of a driving, enthusias
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South freezing and coid store freezing and coid store of the industry in Cornwall. With the industry in Cornwall. Which would make strangor to the Wost store law freezer, compered to one freezer the feet of which would make store of the first pointed out the country, or the fishing in dustry. Charles Craze by Big. Although much of this venture is Charles Craze, a processing firm at Charles Newmen, also provided to the country of the office and first pointed out the country of the office and first pointed out the country of the office and the country of the office

Smoked Fisheries, All st existing stores, a new link none site was purched in the company's frezen food with good access to be chein will be forged when a main A30 roed an flim cold storage and fish building commenced by processing complex opens in June. Scotland on April 6. This

Work has had to his comes at o time when Mr. The etere plus (ish feetery is on a 10-sere site.)

just as the last plant on Nygran's predictions look building the cold store was founded. Now, one british home in five has a freezing facilities on site.

Edinburgh mo M72 Classon.

just as the last place will founded. Now, one building the cold are wall founded. Now, one was to start.

The foundations at concrete floor surface of the cold store, which cold store and a fish process-planned to hold 1,000 w ing foctory are regarded as of produce, has been it only the first stage of develop. The blast-freezing was ment at Belishill. The next is situated at the reard the main office block. Two starts are the cold store and a fish processing the cold store and a fish pro the main office block. To ficor-mounted hist freezers capable of hase; ing 36 tone of fish in each hour shift are schedele to be installed.

Dospita the probes that surround the probes Copporhouse is sires iocal fishing industry

have already steried to ke advantage of the

weight reduction to a minimum.

Once on the lower elow-running helt, freezing is completed and an IQF and free-flowing product is produced. Air velocity then gently lifts the fillets away from the belt.

Finelly, the frozen fish is discharged at the same end as it enters: down a stainless steel chute on to a conveyor and transported to the packaging area.

On the face of the face of the face will be filled.

No CONNECTO Fight.

On the face of the face of the fillets are in k between local field of the fillets.

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Day-to-day management is of the fish factory, is managing director of W. S. Unkles director of W. S. Unkles.

formerly general manager of the largest cold storage and reezer centre in the Frigoscandia chnin, at South Kirhy, Yorkshire.

Well placed

thought the new cold store time. was particolarly well placed if the blue whiting fishery off

SYSTEMS

REFRIGERATION

will be oble to further the west coast of Scotland strengthsu its links with the really got underway. "By set- Dunkley was emphatic that ting up satellito freezing no wet lish would be handled in charge of the Bollshill stations. Glasgow could site is Eric Dunkley, who was become an ideal starage and distribution centre for blue

> When the first trucks roll up at the gates of the Bellshill store, their papers wil precede them to the control The first fish to move into buildings which overlooks the the new cold store will be

whiting," he udded.

ns well as showers and war-

In the engine room of the cold store are three J. & E. Hall compressors, with space for more in the event of expausion. The refrigeration system is to Frigoecondio's wn design and the cold store will operate at -30 deg. C. using numonia es a

Inside the cold store building, which can hold up to 11,100 tons of produce, a special orbur-proof chambor nis been set uside for fish over the bading bnuk

FRIGoPANEL insulation which is Frigosenudia's own patented system and incar-porates 5 in expanded polyurethane.

The first fish to mave into Apart from the normal fish business they are expecting to indertake, Eric Dunkley The localing bank will be able told Fishing News that he to handle eight trucks at a cost of \$(300,000)\$. This omigun development, which also in volves two major Scottish The looding bank control tish firms, is described below.





t: shall of tha officae end bleat freezing room, with the site for the cold store elongelde. Above: Interior of the unfinished with the production of the

COPPERHOUSE COLD STORE

(CHARLES CRAZE LTD.)

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Enquiries are welcome

Bigger blast machine mounted on the machine mounted on the roof of the blast freely room. Many local for firme and boat owned have already steried.

A PETERHEAD shrimp firm is pianning n big increase in its biast freezing capacity. The country. (Scotland) increase in its blast freezing capacity. The rapidly expanding firm, Shrimp Poolers (Scotland) Ltd., a subsidinty owned by the Bellamy family of Aberdeon, has established an extensive international market for its frozon products.

It recently ordered a Lewie Louise-Flo system with a local Peterhead fiel-bring products.

It recently ordered a Lewie Louise-Flo system with a local Peterhead fiel-bring products, and the original system also from Lewie uit Norwich.

The unit will be used primarily for freezing entrings and fish fillets, but a winating conveyor, a fairnings and fish fillets, the products will be processed from time to time to processed from filleting and inspection benches to loading pletform, are hand-fied on to the freezing helt to ensure proper separation.

The top belt of the Double-Flo quickly "cruet" freezing helt to ensure proper separation.

The top belt of the Double-Flo quickly "cruet" freezing helt to ensure proper separation.

The top belt of the Double-Flo quickly "cruet" freezing helt to ensure proper control and the first freezing helt to ensure proper control and the first freezing helt to ensure proper control and the first freezing helt to ensure proper control and the first freezing helt to ensure proper separation.

The top belt of the Double-Flo quickly "cruet" freezing helt to ensure proper separation.

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The top belt of the Double-Flo quickly "cruet" freezing helt to ensure proper control and the first freezing helt to ensure proper separation.

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The control of the first freezing helt to ensure proper separation.

Th

With the temperary closedown of herring fishing by the Scottish fleet and the winter mackerel season tailing off in Cornwall, the new factory - in common with Sans Unkles, the man in charge other processors — could be of the fish factory, is managing facing a difficult supply

ICE MAKING PLANTS

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- * Complete, compact and simpla rafrigeration plants for fish hold cooling.
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THE Nimrod 1200 looks like a neat light fitting , , . in fact It'e a trap for flying pasts.

peats pese through a protective controlling flying pests. Price metal grid and come into controlling flying pests. Price The 80 and 120 litre drums correspond to the half and full tact with an inner 'live' matel £38.25 jexoluding VATI. More grid. Hermiess to humens end detells from: Electronic Peet domestic pets, it stuns insects Control Ltd., Mill Mead,

shede which elso forms e trey for collecting the insects. Haid PLASTIC magnetically in position, the shada cen be removed for emp- DRUMS tying. As the trey is removed, a trigger eutometicelly releases SOWATER Peckaging Ltd.

tories; Nimrod 4000 for lergs



e pair of drop hendles.

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WASHER

with good rasulta.

PORTABLE

so the voltage on the Inner grid will be showing plastic so the voltage on the inner grid is diacharged.

Stendard models include the Nimrod 1800 for small fee. April 28 to May 2.

Octed solid fibreboerd species betha end they will wean neadly devaloped for fish packeging. It is cleimed to be she to take rough hendling, outside storage, prolonged soaking or being marketed through ship being m

fectories; and the Nimrad 800 range of open-top Meuser deterioretion. Hydrotex PE flah White Flah Authority grant. portable mains/battery plastic druma are stready used boxes come in sizes from $\frac{1}{2}$ to operated, rechargeable unit. The Nimrod range was exporter in Ireland, South Soweter will also be shownested during the Zeire River Coast Fishery Ltd., for the our- ing 'Tight Haed' Mauser plestio FREEZER ing in brins end distribution of drums, which ere supersading

We are in fish

UNION COLD STORAGE

ed by Thurso Fibre Glass Ltd., tray ensures the dend insects of Thurse, Celthnese, which are kept sele. corporeting a geaket, end have dolms it will not rust or rot. Also, it pays for itself quickly plue laver closure. The 50 end because cleaner fish sell for 80 litre sizes are supplied with

Soweter's Hydrotex PE fish Flehermen using tho boxes are also to be on displey. Hydrotex PE is e polythene-coated solld fibreboard special-

The firm's international even immersion without chandlers and qualifies for a

lacquer-lined steel drume for A GYROFREEZE Midget Below: Simpson fish washer belog sold through chandlers.

herring.

lacquer-lined steel drume for A GYROFREEZE Midget many shipments of liquids end compact spiral freazer, chemicals. elong with a Push Through Soweter Pecksging Ltd., been supplied to Port of Portland House, Stag Place, Spain, Trinldad.

Tha mechines ere to be used by Netional Flaherias, which is

Netional Fisheries was form-Ceithness area of Scotland sified Its product range, processing ectivities end expanded its trewler fleet. The in glessfibre and mounted on e be completed in 1977 end insteel stand, meesures 3 ft. x 2 ft. x 1 ft. Stendard hosa con-

nekes the Gyrofrseze, hes ultency contract for the saign, supervision end end electrical control

The Gyrofreeze Midget reulree 180 sq. ft. of floor apeca. It hes en hourly capeolty of 800-2,200 lb. [300-1,000 kg.] and a freezing time of batween

unit is stowed when not in use. Above: not a light fitting but The wesher is being produc- a trap for flying inaccis. A

ICE FIRM **EXPANDS**

mechine heve commented that THE ENGLISH aubaldiary they essa the beck-breeking company of the Germen lob of menuelly weshing fieh in inco-Ziegra ice plent firm has racently axpanded and movad to naw premleas.

The firm, Inco-Ziegre [UK] House, Weter Lane, Wilmslow, Cheshire, end is a wholly owned eubsidiery of the mein firm beased at Hennover.

House, Weter Lane, Wilmslow, Cheshire, end is a wholly owned eubsidiery of the mein firm beased at Hennover.

House a rust resistant to your require.

There are two principal lives a rust resistant to your require.

There are two principal lives are rust resistant to your require.

It can supply the packaged £11,000. five end ten ton cepecity icemeking mechines which ere tegrated into eulomant? now being used in the UK fish line systems using f: many cliffarent forms — than of flake ica, with consa-Industry. electric calls.

Further information from: Tunnal bleet freezer, has ice etorege end hendling of hand tools, including aysteme, with metaring end delivery devices, which enables it to offer complete ice systems to fishing ports.

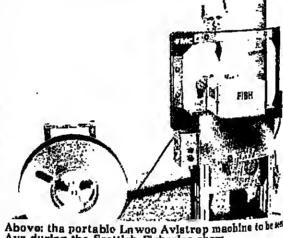
Mechinas suitable for uss in fish factories, retall shops and Netional Fisheries was formTHE COMPACT Simpson and in 1972 as a shrimp, fish and cluding 'spece-saving' models.

Units with outputs from Silb.

Washer in the manufacturing or cylinders, which are piscas rapidly, for example fish to continue to be affect out from long, hollow tubes of from the sca heigh stowed in a processing operation. Silve with outputs from Silb. leboratories ere eleo meda, infish washer is being used processing operation. Since Units with outputs from 88b. down to -20 deg. F. Thin ice formed inside rafrigarated trawler's fish room. sboard boats in the then, however, it has diver- to 150 tons a day are evelleble. it suitable for use lackle pipes uf small diameter.

tensioners and combin

Seceuse



Chairman of tha Young Group, said: "Keith Ashley has contributed a great deal to the overall progress of Young's in the 10 years he has been appointed a director of Ciristian Harding Harding



Above: tha portable Lnwoo Avistrop machine to be a sider its maltage rate or that a sider its maltage rate or that it cools like yours, a small-ica plant is fish; block ica finally crushed likely to be best.

Catering salss force simples (31) is list that the same ica coarsely plants are that they can be built up gradually by acquiring oxperience in the region. He has lift characteristics.

In the region, He has lift characteristics.

In the region, He has lift characteristics.

Oxperience in comparatively amall ice in comparatively amall its maltage rate or that it would with which it cools like yours, a small-ica plant is likely to be best.

Advantages of small-ica plant is likely to be best.

Advantages of small-ica plant is fifter and that they can be built up gradually by acquiring ice-making machines as and that for manufacturing occurs a small-ica plant is fish; block ica finally crushed.

I crushed.

I ces whose piaces are in its different that they can be built up gradually by acquiring ice-making machines as and that top manufacturing output its maltage rate or that cools like yours, a small-ica plant is fish; block ica finally crushed.

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I Les whose piaces are in its different that they can be built up gradually by acquiring ice-making machines as and that they can be built up gradually by acquiring or than and funds permit.

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Advantages of small-ica plant is fish; block ice, whose piaces are in give making nath they can be built up gradually by acquiring or than and funds permit.

Many one cytosis in cet in comparatively and its maltaturing in the roots in cet in comparatively and its maltaturing in the traction is the risk maltaturing in the cools like yours, a small-ica plant is fish; block ica finally crushed.

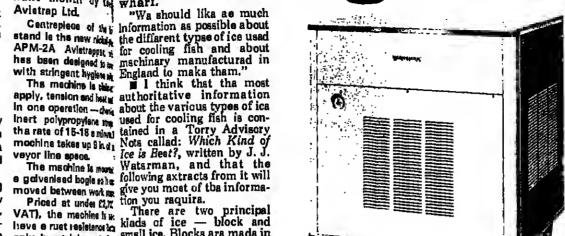
Advantages of small-ica plant is fish; block ice, when comparad some at the cet in cools in the cet in cools in the cet in cools in the cet in cools i

with the now new less rapidly; this is not which ensu pass House for 12 year necessarily a disadvantage for production.

A STRAPPING TWO WE HAVE formed a dasignad to sign fishermen's co-op and packaging operations intend to install ice-be shown at the making machinery in Fisharles Exhibition our premises near the naxt month by the Avietrap Ltd.

Avietrap Ltd.

Centreplece of the information as possible about stand le the new pietre, the different type of ice used



ment coating move in variety of waights ranging from 55 lls. (25.kg) to 300 lb.

The APM-2A can sket thickness of 7 in. (178 mm). to ice. The Sootaman SF-8 cen produce up to 1,814kg of fiske

There is siece Laws snow, powder, flake, cuba, quently greator cooling scale, plate, tuha and ribbon, capacity, can be accomposed including to name a few. to name a few.

The two most important although it will probably melt types of aniall ice may be more slowly than flake ica unclassified roughly as (I) der similar conditions.

polypropylene suspin fishes, which are entooth Flake ice is likely to be made from pure set pieces that are either flat or most useful whara a warm granulse, and is stands slightly curved and (ii) product needs to be cooled in the magnifestations.

Despito arguments shout hand, will provide more coolwhether natural ica is batter ing canacity in o small space than artificial ice or whether than flake ice and will constorodice is batter than nawly tinne to cool slowly for a long made ice, the differences in time in a warm atmosphere; properties of ices of different it should thus be mora useful origin are so small that thay for keeping fish cool in transition of the state of are of no significance to those sit, for example chilled fish in using ice for cooling fish.

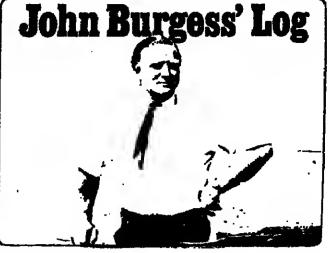
Ice in small pieces made by signed inland. different methods will have from all this you will different densities; a ton of gather that flake ice has some crushed block ice and containers.

crushed block ica may occupy advantages over crushed only 56 cu. ft. (1.5 cu.m.), a block ice as the pieces are ton of cube ice 66 cu. ft. (1.8 smaller, cause less indentacu.m.), and a ton of flake ice tion and melt more rapidly; 75 cu. ft. (2.1 cu.m.). that tube ice has properties The size of particle, within somewhere hatween the two; limite, in any one type of ice and that for manufacturing makes little diffarance to ice in comparativaly amali

LOW-COST Choosing the LONGLINE BAIT IS AVAILABLE

Suppliers on the west coast of Scotland, in Lancashire, Wales and Davon are willing to supply them regularly in quantities of up to a tonna a

year: clams from the south coast of England and lugworms from Northern



clams would be euitabla for Put in buxee half-filled Clams

longline bait, but suggests with choan sand and wat that thay might be suitable that thay might be suitable seawead, you would think they possed in appreciable whelk pots. He can supply quantitias at any time of ahout four tonness a week. o trial consignment.

Ireland could supply ligworms in quantity if he could he sura that they would Names and addresses of theso suppliers will bo forwarded to any reader who The supplier on the south reach parts in England, will cuclose a stamped, ad-

Seaveyor

The supplier in Northern

The new, small-ship radar that's miles better than anything you've seen before

50% greater range than the Decca 060

46% greater screen area than the Decca 110

45.5% less power consumption than the Furuno FRS24

45.5% less scanner weight than the Decca 110

50% more range scales than the Sperry Mark 7

50% less units to install than the Konel KRA221

Seaveyor is the first of a new generation of radar equipment designed specifically to meet

the needs of lishing and commercial vessels. Il is not an up-date of existing equipment ll is not a larted-up yacht radar nor a little sister

lobig ship equipment. Seaveyor olfers a 36 mile capability presented on a 85" screen limage in excess of 10" with integral magnifier) within two compact cable connected units

Whal else? Maximum environmental protection Reliable circuity. Time saving access for sarvicing. And a price which will be just another embarrassment to our compelitors.

See Seeveyor on Stand 148
Granga Merine Sarvicas Ltd.,
Surnicol Lens, Fxikirk, Scotland.
Tal. 0324 27321 st the Scotland Fighteries Exhibition,

36 mile range 81/2" CRT. Power consumption 110 walls. Scanner weight 66 lbs Six range scales 15, 115, 3, 6, 12, 36 n. miles Two unit installation with cable connection

You've not seen the best small-ship radar until youve seen Seaveyor



Seaveyor

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Seaveyor-miles better

FACILITIES FOR FILLETING SPLITTING FREEZING - STORAGE We can also arrange Transport Custom Clearance - Insurance all stores approved for handling herring enquiries to:

in a big way

KEITH ASHLEY (43) has joined the board of directors at Young's Saafoods. He was general production managar prior to his new appointment as production manager. A nativa of Grimsby, he bagan his caraer in the seafood business as a management. business as a management traines with MacFisheries. He joined Young's Seafoods in 1966 on the distribution side, being promoted to production managar in 1970. production managar in 1970.
When announcing the appointment, Norman Young, Chairman of tha Young Group, said: "Keith Ashley has contributed a great deal to the overall progress of Young's in the 10 years he has



pass House for 12 year necessarily a disadvantage for production.

NEVILLE NICHOS three reasons.

Neville NICHOS three reasons.

Neville NICHOS three reasons.

Nost popular for plants like the one you propose are sexecutive for Friends feecally when the pieces are Scotsman Super Flaker SF-8 exacutive for Friends feecally when the pieces are Scotsman Super Flaker SF-8 giant cold stotest three large and coarse, can series and Modular Flaker processing complete the series from Anglis Cold feecally with the series of machines and systems.

SF-8 series machines, from Anglis Cold feecally the manufacture and use which cost comparatively lithes considerable parlance within the series of small ica has a number of the to install and operata, are parlance within the series of small ica has a number of the to install and operata, are series and Modular Flaker machines, from Anglis Cold feecally the manufacture and use which cost comparatively lithes a considerable parlance within the series from the series for parlance within the series from the series for parlance within the series from the series are series and Modular Flaker machines and systems.

SF-8 series and modular Flaker which cost comparatively lithes the series from the series from the series from the series from the series are series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker which cost comparatively lithes a series and modular Flaker

2,260 kits, NC, 22 days. £35,822: Vivaria, BUT (Sk. R. Kurz), 2,211 kits, NC, £23,774: Prince Chorles, Boeton (Sk. A. Hollington), ABERDEEN 1,314 kits, I, 23 deys. £22,104: Ross Kelvin, BUT (Sk. T. Pembroke), 1,295 kits, NC, 22 days. £21,694: Crystal Palace, Consolidated (Sk. E. Collins), 1,127 kits, I, 22 days. £20,793: Ross Kelly, BUT (Sk. P. Phillipson), 1,172 kits, I, 22 days. r20,486: Real Madrid, Consolidated (Sk. G. Mussell). 973 kits, I, 22 days. £18,600: Boston Comanche, Boston (Sk. R. Evans). 1,022 kits, NC, 22 daya. £14,876: Port Vale, Consolidated (Sk. J. Rimmer), 844

Middle water

kits, I, 22 daya.

£20,346: Ross Zebra, BUT (Sk. R. Rseves), 1,411 kits, kits, NS, 11 days. 120,073: Ross Tiger, BUT (Sk. D. Avery), 1,294 kits, 15 NS, 12 days. days. £18,639: Ross Genet, BUT (Sk. W. Stokes), 1,093 kits. 404 kits, NS, 12 deya. £7,836: Farnham Queen, Talisman (Sk. P. Thomas).

North Sea

£4,764: Loveden, Lindsey (Sk. G. Irelend), 232 kits, 13 GRANTON

15,221: Linda Lise, Richardeon (Sk. C. Olesen), 261 kits, NS, 18 days. 24,944: Beverley, Allard Hewson (Sk. J. Stringer), 268 NORTH SHIELDS kits, NS, 20 days. r4,644: Edlei, Sleight (Sk. L. Gravesen), 223 kits, NS, r16,496: Ben Edra, Irvin (Sk. R. J. Palmer), 40,915

Brettell), 2,454 kits, NC, 23 days. £30,878: Lord Nelson, BUT (Sk. A. Atkinson), 1,679 kits, NC, 19 days.
c29,091: Joseph Conrad, Newington (Sk. J. Cennon),
1,918 kits, WS, 22 days.
c24,952: Loch Eriboll, BUT (Sk. B. Owbridge), 1,276 £24,418: Kingston Peorl, BUT (Sk. F. Morrail), 1,274 kits, I, 21 days. £22,664: Kingston Beryl, BUT (Sk. C. Andrews), 1,216 deys. £22,498: Ross Canaveral, BUT (Sk. M. Redfern), 1,376 kits, I, 22 days. 121,694: *Portia*, BUT (Sk. D. Grewer), 1,254 kits, I, 21 £20,030: Westello, Marr (Sk. J. Warren), 1,161 kits, 1,

21 days.

£15,920; Arctic Rebel, Boyd (Sk. T. Smith), 828 kits, I,
21 daye.

FLEETWOOD, Iceland

£49,012: Jacinto, Marr (Sk. W. J. Teylor), 2,617 kits, 22 days.

GRIMSBY

Expected during the week from Ross Civet, Ross Gillinghom, Ross Revenge.

Boston Boeing, Golden cutlets, £6; filleted and selected kippers, £3.50/24, per selected during the week from leeland: Alders hot, Boston, Ross Civet, Ross Gillinghom, Ross Revenge.

HULL

Expected during the week from leeland: Norwey Coast: Arctic Vondol, Ross Gillet during the week from leeland: Alders hot, Belgoum, Ross Greet, Tokio; from Iceland: Alders hot, Belgoum, Ross Ross Granto, Ross Sirius, Ross Otranto, Ross Sirius, Ross Trafolgar.

Coast: Boston Boeing, wolden cutlets, £6; filleted and selected kippers, £3.50/24, per selected during the week from leeland: Included and Norwey Coast: Arctic Vondol, Ross Sirius, Ross Otranto, Ross Sirius, Ross Otranto, Ross Sirius, Ross Trafolgar. £12,889: Boston Explorer, Boston (Sk. W. Anderson) 710 kits, 22 days. E11,653: Wyre Gleaner, Wyre (Sk. W. Spearpoint, Snr.), 643 kits, 21 days.

18,204: London Town, Hewett (Sk. J. Kelly), 427 kits. 17,889: Andrew Wilson, Hazael (Sk. F. Thompson), 40

£4,324: Susan Bird, Bird, 281 kits, 15 daya. £4,300: Resound, Ward, 193 kits, 14 daya. £3,787: Replenish, Ward, 168 kits, 15 days.

£2,801: Girl Doris, Hewett, 90 kits, 13 days. £36,465: Northern Reward, BUT (Sk. W. Harris), £2,560: Charmoor, Hewett, 116 kits, 10 days. 11,867: Rosomonda, Ward, 66 kits, 10 days. £1,798: Craigmillar, Werd, 89 kits, 14 days. £1,171: Southards, Ward, 55 kits, 10 days.

127,819. Ben Lui, Irvin (Sk. T. Nelson), 1,721 kits, F. £15,338: Milwood, Wood (Sk. J. Anderson), 804 kits, F. 15,338: Mitwood, Wood (Sk. J. Anderson), 804 kits, F, 16 days.

15,012: Grampian Monarch, North Star (Sk. R. Cutto), 993 kits, S, 11 days.

16,338: Mitwood, Wood (Sk. J. Anderson), 804 kits, F, 17 investing cal, £17:0/£21: large phice, £17: median, £17: small, £22: colling, £18/£25; large huldrek, £20/£25; small, £17: median, £18/£25; large huldrek, £20/£25; small, £18/£25; large huldrek, £20/£25; la

to), 993 kits, S, 11 days. £14,212: Glen Coe, Marr (Sk. J. Glas, jur.), 705 kits, F. 14 dovs.

11,734: Strathclora, Brucewood (Sk. A. Simpson), 619 continuous sono, 120/240; 100/2150; kits, WS, 10 days. c11,558: Ross Heron, BUT (Sk. J. Glasgow), 712 kits. c22/220; nunkfish, 245/52; nockfish, c12/220, per 10st. kit. S. 10 days.

LOWESTOFT

£8,355: Suffolk Venturer, Hobeon (Sk. H. Baxter), 400 | Prices: end, £13/£15; springs, kits, NS, 11 deys. £8,030: St. Rose, East Coast (Sk. W. Hitter), 426 kits, E14/£14.20; small, £11.40; large

£15,556: Ross Cheetah, BUT (Sk. T. Ross), 969 kits, 17 425 kits, NS, 13 days.
£15,006: Yesso, Taylor (Sk. P. Brown), 962 kits, 15 NS, 12 days.
£15,006: Yesso, Taylor (Sk. P. Brown), 962 kits, 15 NS, 12 days. £7,654: Boston Sea Fury, Boston (Sk. V. Crisp), 392

E17,147: Arctic Challenger, Liston (Sk. K. Grubb), 1,282 cwt., NS, 15 days.

£11,167: Arctic Explorer, Liston (Sk. J. Banyerd), 885 cwt., NS, 14 days.

£10,769: Arctic Invader, Liston (Sk. P. Wanless), 765 15,492: Foursome, Sleight (Sk. G. Cooper), 221 kits, E11,107: Arctic exp. cwt., NS, 14 days. £10,769: Arctic Invader, Liston (Sk. P. Wanless), 765

18 daya.

£4,263: Christen Bank, Allard Hewson (Sk. K. Lersen), 188 kits, NS, 18 days.

£4,038: Helen Mona, Richardson (Sk. A. Svendsen), 210 kits, NS, 18 days.

£10,532: Samarian, Robinson (Sk. J. Waddinghem), 27,200 kilos, NS, 15 days.

£10,532: Samarian, Robinson (Sk. J. Waddinghem), 27,200 kilos, NS, 15 days.

£10,532: Samarian, Robinson (Sk. J. Waddinghem), 27,200 kilos, NS, 16 days.

£10,532: Samarian, Robinson (Sk. J. Waddinghem), 27,200 kilos, NS, 16 days.

£10,532: Samarian, Robinson (Sk. J. Waddinghem), 23,120: Christine Nielsen, Irvin (Sk. C. Ellis), 8,010 kilos, NS.

£1,658: Flouresco, Associated (Sk. W. Scott), 5,460 kilos, NS, 4 days.

£1,658: Flouresco, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£1,622: Ino McBain, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£1,622: Ino McBain, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£1,622: Ino McBain, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£1,622: Ino McBain, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£1,622: Ino McBain, Associated (Sk. J. McBain), 4,533 kilos, NS, 4 days.

£3,556: Rosevear, Norrard (Sk. A. Simpson), 144 kits, in dinn, £6,30/£6,00; smoll, £1,20/£1,90; Dnnish plaice, 1lb., £2,736; Bruhar, Norrard (Cl. A. Simpson), 144 kits, in dinn, £6,30/£1; 1-lh-2-lh., £3,80/£1; 1-lh-2-lh. £2,736: Bryher, Norrard (Sk. A. Jemes), 90 kits, 11 £2,403: Norrard Star, Norrard (Sk. J. Manson), 102 kits, 14 deys. £1,548: Brenda Wilson, Jones (Sk. R. Evens), 54 kits, £670: Picton Sealion, Norrerd (Sk. T. Selter), 22 kits, 7

HUMBER VESSELS DUE

PORT MARKETS

MONDAY, MARCH 22

GRIMSBY
A good supply of 7,110 kits from 20 ships met 'e good demand. Prices: shelf cod, 22.20; shelf heddeck, £2.70; medium, £2.40/£2.50; lemon sole, £4.50; distant water vessels. Prices calling, £1.80/£2.20; shelf heddeck, £2.70; medium, £2.40/£2.50; small, £1.80/£2; lerge plaice, £2.40; medium, £2.60; best small, £2.20; redfish, follow, £1.50/£23.25; poley.

GRIMSBY
A good supply of 7,110 kits from £1.10/£1.30; cockfish, £1.20/£1.50, per stone. \$5/£5.50; coalfish, £1.10/£1.30; mones; homemarket 142 at £8/£9 500/530 per 500 kg. Very mixed in size \$600/550 per 50 kg.

North Shields: 11 trawlers, 142 per 100 kg. Very mixed in size \$600/550 per 50 kg.

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North Shields: 11 trawlers, 142 per 100 kg. Very mixed in size \$600/550 per 50 kg.

North Shields: 11 trawle

FILEFTWOOII

Prices: English shelf end.
\$23,501,128,60; lulk, \$148,232,20;
\$prings, \$22,501/\$25; plaice, \$1.40; small lemonsk \$6, \$1.55; small lemonsk \$6, \$1.40; small lemonsk \$6, \$1.55; small lemonsk \$6, \$1.55; small lemonsk \$6, \$1.55; small lemonsk \$6, \$1.55; small lemonsk \$6, \$1.50,\$1.55; small lemonsk \$6, \$1.50,\$1.55; small lemonsk \$6, \$1.50,\$1.55; small lemonsk \$6, \$1.50,\$1.50; lunk \$6, \$1.50; lunk \$6, \$1. coley, £307 13,50; dogfish, r11,807 17,140; monkfish, r20,£21,80; roker, £17,807 23,; whiting, £87£22; gurnard, £17,207 18,10, per 10s1, kit; bover sole, £107£18,60, per stone; Greenkind shelf cod, £22/£23,25; holk £29 15,000 24. Prices: cod, £2; coline haddock, £2,60; white; lemon sole, £3,60, pe crab, 18, per 41 H fulk, £20,50/£23; sprags, 120/£21; brge haddeck,£21; ling, £14; redfish, £10,50/£14; nocklish,£21,10, per 10st, kit.

LOWESTOFT

MILFORD HAVEN

e10/e11.90; hergylts, r7.40/e0030. No distant water.

DUBLIN
Prices: cod. £2.53; heg;
£3; codling, £1.50; dipetal
lover sols, £13.46; heta;
dalls, £1.53; megina;
flounders, £1.37; white;
£1.25, per stose; an
whiting, £5/£5.70; resg.;
per 7st. kil; prawa, 35; £
£2.35; prawo talle, £1.25; et0/221; large turbot, £80/£110; small, £40/£55; whiting, £18/£20; lemm solo, £25/£40; Duver sole,

TUESDAY MARCH:

Prices: cod, cl.80/gp. NORTH SHIELDS cl.ti7/cl.93; ploice fit snithe, fl; dabs, the sule, £2.60/£3 per store h huddock, £15; selected small, £12/£12.50; whiting, £10; lemen side, £22/£;£2.50; plaice, £12/£13,

Prices: whiting titlb dock, £7/£16; cod said tlil/tl6; salthe and min per box; lemos sols, tle, ploice, tl.60/t2.20 perti mats landed 700 boxs Prices: cud, rt0/r18.40; plaice,

FRASERBURGE

112/122; Hover sols, 160/1124; squid, 124.50; hake, 165.50; Prices: cod and at 11.45/12; whiting the monkfish, \$2.50/12%; markfish, £17.40, per 8st. kit. 85p/95p; pleice, £10 sole, £3.50/£6; lieg, £17

Sk. A. Jemes), 90 kits, 11

Sk. A. Jemes), 90 kits, 11

rard (Sk. J. Manson), 102

nes (Sk. R. Evens), 54 kits, 11

ref (Sk. T. Selter), 22 kits, 7

ref (Sk. T. Selter), 22 kits, 7

SELS DUE

Coast: Boston Boeing, 1160/21,90; Inless, 28/26,30; 23/20/24, 26/24, per 1160/21,90; filleted and selected during the week from 1161/25, 26/24, per 1161/25, 26

, UGp; Japanese balba-senmpi, 95p/£2.20; 25p; han saam, 40p; 25f; 13p; barbouni, 50p; 37 RETAIL PRICE

HERRING REPORT

vessel is always of par-ticular interest and, whaleback and re-sited the Mastra winch (enlarged and sadly nowadaya, somothing of a rarity. So, the sudden flood of three new hoats in a heetic fortnight of early March must not be misconstrued as a sign

of heelthier times, Indeed, if anything, the op-posite is true. The completion of Somontho, Sioux and Margrethe Bojen means the port now has only two vessela currently on order in the 60 to 80 ft. class; and these cannol work together. represent the sum total of In addition to the Grimsby's enlire port building programme!

It seems unlikely the small hoal operators will be lured into the fatal trap of ignoring re-investment for a few yeara, hul this sorry position does everyone, big and small, as

in the mulli-purpose entegory, have cost around £1 m. lo build; by 1980 an investment of this enormity for tluce new bosts is almost certein to be cheap at the price. Snmonthn and Morgrethe

Bojen are already pairwelcome recruit to the Grimshy fleet, the former Fresorburgh seiner Golden Venture (FR 377). She represents a hefly finoncial outlay for owners, Riverside paired the 78-footsr up with

18-month pair trawling ap-prenticeship on the deck unicr Jens Bojen ond John Richardson, are in command.

Golden Venture wes overhauled end modified hy Jones Buckie Shippard Ltd. before coming south. In addition to alterations to her huge 900-kit plus fishroom, it

GEAR AND MAINTENANCE PRODUCTS AT COMPETITIVE PRICES

Osimer lobete: & prewn on Ounlop liferefis & inflatables S hydraulic steering gess. Felco v outnop tretens & initiatoria Sarvi hydraulic essening gest. Feico whe cutters — anemometers. Anodes — blocks — winches. Catalytic to fiamel ges heeters. Poly. ropp — sil types & sizes. PVC & nylon hose — sil

diameters.
Linte Ship peinte & antifoulit
Socilife caviking rubbes/sealant. Si
neker vernich — Areidite. Aerolite
Nitromora — Cuprinol, Bilgex — p rushes etc. VRITE OR PHONE FOR PRICE LIST AND DETAILS OF THE EQUIPMENT

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end/or evotion.

ALL SHELLFISH

Deily Consignments Required R. BLOOMFIELD (Billingsgate) LTD. 127-128 BILLINGSGATE MARKET EC3

THE arrival of a new installed a multi-sheave net reconditioned by Northern Tool & Gear Co. L1d.) athwartships, forward of the fore-end arrangement off the Kelvin TA8 320 bhp main

engine, but the nel hauler shares the same hydraulic systam as the mammoth eranked jib and power block, with a changeover switch to bring in either unit as both In addition to the usual

pair Irawls, Golden Venture has a "Davie Smith-sized" 200 fl. headline fly-shooting nst and the pair will work this

hul this sorry position does interest in pairing, Skipper reflect the dilemma facing Pulfrey told Fishing News there are five men, including building costs spiral upwards. The skippors, with full The three new vessels, all ekippor's tickets from ten ekippor's tickets from ten men crewing the two vessels! Another vessel to undergo a

big face-lift is Skipper Ken Green's seiner Tarmo, nowfitted up with a new wooden wheelliouse. The work, in cluding a new steel engineroom ensing, was cerried out by Bridges & Salmon Ltd. and Ken could hardly contain his approval. "I'm delighted," he told Fishing News hofore toking

7'nrmn on her first trip. "She's ns gond as new. She nossed the rolling test with the water just like she did with the old wheelhouse." Former top deen water skippers Peter Pulfrey and Phil Scott, after serving an Sleight 1F.S.) Ltd. and this

the former Bounister seiner, Lid. & slow: Skipper Soxon King, now hack in business after nearly o year in the hands of the Admiralty Mershul.

Sam Chapman & Sons Ltd. is olso expanding again and has added Skipper Olaf Christensen's White Bonk to its agency, In less than a year local seiners working from its
offices and, with its thriving Danieh agency work plus similar services for the summer dogfish visitors, looks like having a busy year ahead. Its seiner Gillion is

presently being re-angined with a Gerdner 8LXB at Scarborough.

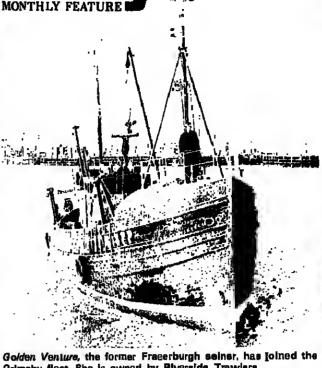
Most of the port's sbare fishermen are diamayed at the 25 per cent. increase in dock dues which came in on March 1, and there is a feeling they are being 'taken to the cleaners' by the BTDB as this is the lalest of several incrsases over the past few

It is a sobering thought, in these inflationary days, that most of the men boing asked to foot these bills earn no more, and often less, than they did Iwo years ago.
There is no Stage One £6

"sofety net" to help them neet the rising cost of living

Tuckton Bridge, Christohurch, further into the red than necessary. Tom Wood.

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enormous organisation has Above loft: Skipper Peter Pulfray of Golden Vontura. Right also taken over this role for Skipper Olol Christensen, now moving to Sam Chapmon & Sons



MARCH 27, 1926

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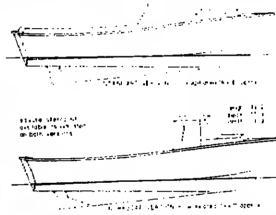
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Bullt by Jemes Nobla & Sons, Fraserburgh 1949. Length 49ft. 7in., breadth 19ft., depth 5ft. 5in., tonnage 19.29, ra-engined 1998 Kelvin diessi R9 90hp 2:1 reduction gear. Flited with Fifer ring net selne net winch with trawi winch conversion. Office to Geo. Walker & Sons, Fishsaleamen, Mallaig, Iclephone: Mallaig 2305.

"PENORVA" BCK 226. Built of word Fairlie 1950. Longth 49ft... hrcedth 15.1ft. depth 9.95ft., Gardner 110hp 9LX complato overhaul including new pistons and liners November 1975. Mastro seinc trawl winch, starboerd gallows fitted new 1975. Boat's property Marconi sounder. Woodsons R/T. On hire Marcnil VHF., Decca rodar 101, Occ. ta Navigator Mk12. Enquiries to Maray Firth Fichselling Co. Ltd., 11/12 Commorcial Road, Buckis, tolephone: 12152.

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little of steel by Hugh MacLaan, Renfraw 1968. Oversil length 89.7ft., registared length 78.9ft., braadih 23.9ft., tlepth 11.1ft., tonnage 83.16, Blacketone engine 495hp, Norwinch 16 ton, Purse net trawl, Norwinch seina net winch and Baccles coiler, Triplex hydraulic powar block for Purse netling and trawl Arkas auto-pilot installed 1966. Kermoy fish pump, Decca redar type 912 inetalled 1973, Simrad sonar, Simred fishlupe and eoho acunder, Woodsone cilipper R/T oll chip'e property. Dacca Navigator MK12 also VHF Radifon on hira. All seine net gear to be sold with vessel also ona Pursa nei 62 fathoma by 320 fathoms, one Dory 16ft, with 45hp engine also to be sold with vessel ship fitted with rotating ruddar. The boat is presently fishling from Petertiaad and arrangements for inspection can be made by epplying to: epplying to:

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M.B. "UGIEVALE" PD.105.

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